

MiloDB Client

User Guide

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1 Introduction

MiloDB is an application and database for the offline searching for Milovana teases. It has some advantages over the search capabilities that are available online from the website, namely:

- It can search through the text of all types of tease.
- The searching is entirely offline using the included database.
- Searches can use regular expressions to find text patterns.
- All text of a tease can be viewed.
- Formatting tags and redundant space have been removed from the text.
- The entire list of search results is presented at once.
- The list of matches can be sorted by various fields.

It also has some *disadvantages* over the search capabilities that are available online from the website, namely:

- The included database is normally a few months out of date.
- Tags assigned to the teases in the database do not comprise the full set of tags assigned by the author.
- The online search has a more intuitive interface.
- MiloDB is a desktop application for Windows and Linux whereas the online search works on any browser.

1.1 Platform Support

The tool is written in Python and has been built into a single executable with pyinstaller.

| Operating System | Architecture | Variant Name | Executable |
|------------------|--------------|--------------|-------------------------|
| Windows | x86-64 | gui-windows | <code>milodb.exe</code> |
| Linux | x86-64 | gui-linux | <code>milodb</code> |

1.2 Software License

MiloDB by FrozenWolf is marked with CC0 1.0.

To view a copy of this license, visit <https://creativecommons.org/publicdomain/zero/1.0/>.

1.3 Tease Copyright

The ownership/copyright of each tease remains with the respective author according to the Milovana.com terms of service, <https://milovana.com/pages/tos.php>.

1.4 Credits

Thanks to seraph0x, the creator and administrator of Milovana.com, and our benefactor without whom MiloDB would not exist.

Thanks to Trusfrated, bondfan, Carnal1, PlayfulGuy, pepsifreak, oculus, sinraven, and ohcomeon for testing, bug reports, invaluable suggestions, and encouragement.

Thanks to 2,000+ authors for dedicating their time, effort, and skill to create a wide range of teases for the community to enjoy.

2 Quick Start

2.1 File Structure

After extracting the files from the downloaded archive, you should have the following file structure:

```

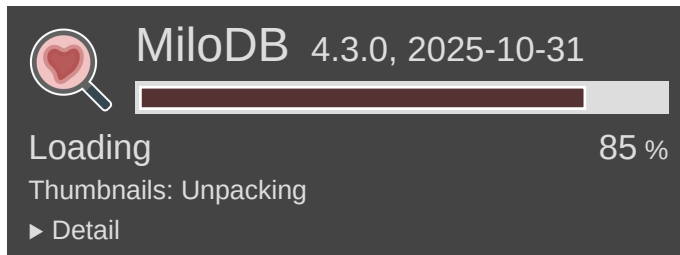
milodb/
├── milodb-user-guide.pdf .....User guide (this document)
├── milodb.exe .....Windows executable (Windows binary only)
├── milodb .....Linux executable (Linux binary only)
├── milodb-changelog.md .....History of changes
├── milodb-manifest.ver .....Local manifest
├── milodb-teases.dat .....Database of teases
├── milodb-thumbs.dat .....Database of tease thumbnails
├── default-light.css .....Style sheet used for 'Generate Summary' button (default)
└── default-dark.css .....Style sheet used for 'Generate Summary' button

```

2.2 Starting Up

Windows users should run (e.g. double-click) `milodb.exe`.

Linux users should run (e.g. double-click) `milodb` or `./milodb` from a terminal.



2.3 Main Window

By default, all known teases are listed.

The screenshot displays the MiloDB Client interface, which is divided into several panels:

- Query Panel:** Contains a search bar with the query "text contains mango |", a status "Okay", and an expected result "and, or".
- Toolbar:** Includes buttons for "About", "Update", "Stats", and "Config".
- Control Panel:** Features a "Generate summary" button, checkboxes for "Only matching pages", "Abbreviate", and "Page refs", a "Reset results" button, and a status "Showing 2 of 8,606 teases (1%) Selected tease #50879".
- List Panel:** A table with columns: Idx, Hits, Date, Rating. It shows two rows:

| Idx | Hits | Date | Rating |
|-----|------|------------|--------|
| 1 | 1 | 2022-01-21 | 4.7 |
| 2 | 1 | 2010-06-01 | 3.6 |
- Card Panel:** Displays two cards. The first card, titled "The Origin of Soul", has a rating of 4.7 and a status of "Shattered". The second card, titled "Slave's Special Time", has a rating of 3.6 and a status of "Slavedom12".
- Text Panel:** Shows a snippet of text: "...ust think they're tasty. Tastes like...mango, despite it's looks. See, this apple i..."

2.3.1 Query Panel

The query panel is where query expressions are written. Pressing '**<enter>**' will perform a search. See section 3-Query Panel for more details.

2.3.2 Toolbar

The toolbar provides information, configuration options, and automatic updates.

2.3.3 Control Panel

The control panel is in the middle and supports the generation of a webpage summarising the results, or resetting the shown results.

2.3.4 List Panel

- Left-click on a row to select the tease.
This will also select the card in the card panel.
By default, text content that matches the query is shown in the text panel.
- Double-click on a row to open the tease.
This will open the tease in the system default webbrowser unless an alternative launch configuration has been specified. See section 6.1-Launch for more details.
- Right-click on a row to show more options.
- Left-click on a heading to sort by that field.
Clicking again on the same heading will reverse the sort order.
- Right-click on any heading to choose which fields you want to show.


2.3.5 Card Panel

- Left-click on a card to select the tease.
This will also select the row in the list panel.
By default, text content that matches the query is shown in the text panel.
- Double-click on a card to open the tease.
This will open the tease in the system default webbrowser unless an alternative launch configuration has been specified. See section 6.1-Launch for more details.
- Right-click on a card to show more options.

2.3.6 Text Panel

- Left-click on a page to select it.
- Options at the top of the panel determine what text content is shown.
- Right-click on a page or blank area to show more options.

2.4 Self Updating

MiloDB is capable of updating itself using the  button from the Toolbar.

Before applying the update, the current application and configuration files are automatically backed up in a zip file. The directory for the backups can be specified in the configuration.

The application may restart a number of times in order to apply the update.

3 Query Panel

Searches are performed by entering a query expression that can test against a variety of fields of a tease. The query expression can also include boolean operators. Searches are case insensitive.

| | |
|------------|--|
| Query | ❗ |
| Suggestion | (, author, authorId, authorStatus, date, not, rating, status, summary, tag, teaseld, text, title, totm, type |
| Expansion | |
| Status | Infix Error: Unexpected end of input when expecting a query |
| Expected | (, author, authorId, authorStatus, date, not, rating, status, summary, tag, teaseld, text, title, totm, type |

Basic query expressions are of the form ‘**field** **verb** *value*’.

For example, a simple query could be written as follows, and pressing ‘<enter>’ performs the search:

| | |
|------------|-----------------------|
| Query | ✅ text contains mango |
| Suggestion | |
| Expansion | text contains mango |
| Status | Okay |
| Expected | and, or |

3.1 Suggestions

The Suggestion heading give hints as to what can be typed at the caret, for example, typing ‘**t**’ into the Query changes the suggestions to things that start with ‘**t**’:

| | |
|------------|---------------------------------------|
| Query | ❗ t |
| Suggestion | tag, teaseld, text, title, totm, type |

Typing another character such as ‘**i**’ will refine the options to a single suggestion:

| | |
|------------|-------|
| Query | ❗ ti |
| Suggestion | title |


Pressing ‘<tab>’ will complete as much of the suggestion as it can, which in this case will accept the only remaining option, and then present new suggestions for the next part of the query expression:

| | |
|------------|-----------------------|
| Query | ✅ title |
| Suggestion | contains, is, matches |

3.2 Fields

The name of each field represents the metadata attribute (e.g. **date**, **author**, **title**) or content (e.g. **text**, **summary**) that can be queried. Each field has supported verbs to suit the type of the field. See section 3.3-Verbs for more information on each of the verbs.

| Field | Description | Verbs |
|-------|-------------|-------|
|-------|-------------|-------|

| | | |
|--------------|--|---------------------------|
| author | Name of the author. Example: <code>author contains bat</code> | is contains matches |
| authorId | Unique ID of the author. Example: <code>authorId = 13206</code> | < <= = >= > |
| authorStatus | Status of the author, either: <ul style="list-style-type: none"> active gone unknown Example: <code>authorStatus is gone</code> | is |
| date | Initial published date of the tease. Dates are specified as year-month-day where the month and day are optional. Example: <code>date = 2023</code> Will match against teases published in 2023. Example: <code>date > 2024-6</code> Will match against teases published on or after 2024-07-01. Example: <code>date < 2020-12-20</code> Will match against teases published before 2020-12-20. | < <= = >= > |
| rating | The value rating given to a tease. Example: <code>rating >= 4.2</code> | < <= = >= > |
| status | Status of the tease, either: <ul style="list-style-type: none"> active deleted Example: <code>status is deleted</code> | is |
| summary | Short description of the tease. Example: <code>summary contains alexi</code> | contains matches |
| tag | Any one of the tags assigned to the tease. <div>  <p>The set of tags that are captured for each tease may not comprise the full set of tags assigned to the tease by the author. This is a limitation of the mechanism used to scrape the tease metadata from the Milovana website.</p> </div> Example: <code>tag contains hand</code> | is contains matches |
| teaseId | Unique ID of the tease. Example: <code>teaseId < 100</code> | < <= = >= > |

| | | |
|-------|---|---------------------------|
| text | Textual content of the tease represented as a sequence of pages. Example: <code>text contains mango</code> | contains matches |
| title | Title of the tease. Example: <code>title contains puzzle</code> | is contains matches |
| totm | Tease-of-the-month status, either: <ul style="list-style-type: none"> • winner • nominee • either Example: <code>totm is winner</code> | is |
| type | Type of the tease, either: <ul style="list-style-type: none"> • reg • eos • nyx • aud Example: <code>type is nyx</code> See section 5.1-Tease Types for more information on each type. | is |

3.3 Verbs

Verbs are the comparators to compare a field against the given value.

| Verb | Description |
|----------|---|
| is | Plain-text search against the whole field. Example: <code>author is trusfrated</code> Certain fields, such as type and status have a fixed set of values to match against, in which case the Suggestion heading will present the available options. See section 3.1-Suggestions for more information. |
| contains | Plain-text search against any part of the field. Example: <code>text contains mango</code> When the text to search for includes spaces, put quotation marks around the text. See section 3.5-Quotes for more information. Example: <code>text contains "take the offer"</code> |
| matches | Regular expression search against any part of the field. Example: <code>text matches colou?r</code> Regular expressions are a powerful way to search through text. In the example above, the words 'color' and 'colour' will be found in the text. More expressive forms of regular expression include groupings and ranges. Example: <code>text matches "(8 eight)[-]?ball"</code> In the example above, the words '8ball', '8-ball', '8 ball', 'eightball', 'eight-ball', and 'eight ball' will be found in the text. Note the use of quotation marks is required because of the parenthesis and the space; see section 3.5-Quotes for more information. |
| < | Compare against an integer, decimal, or date field. |
| <= | When comparing against an integer value: |
| = | Example: <code>authorId = 13206</code> |

| | |
|----|---|
| >= | When comparing against a decimal value: |
| | Example: <code>rating > 3.5</code> |
| | When comparing against a date value: |
| | Example: <code>date >= 2024-9-15</code> |
| > | Refer to the date field for more information on date comparisons. |

3.4 Boolean Expressions

Multiple fields can be included in a query expression through the use of the keywords [and](#) and [or](#). The result of a comparison can be inverted with the keyword [not](#).

| Keyword | Description |
|---------------------|---|
| and | Combines two comparisons together and succeeds only if both match. Example: <code>title contains year and totm is either</code> |
| or | Combines two comparisons together and succeeds if either match. Example: <code>summary contains science or summary contains scientific</code> |
| not | Inverts the following comparison. Example: <code>not type is reg</code> |
| () | Groups together comparisons to perform a more complex expression. Example: <code>not (type is reg or type is aud) and text contains super</code> Example: <code>(text contains super and not (type is reg or type is aud)) or (summary contains magical or title contains magical)</code> |

3.5 Quotes

Spaces and parentheses are used as delimiters, therefore when searching for text that includes these, use quotation marks around the text. Both single and double quotes are supported.

For example, if you have an error shown like this:

| | |
|------------|--|
| Query | ❗ title contains back <code>to</code> school |
| Suggestion | |
| Expansion | title contains back <code>to</code> school |
| Status | Infix Error: Unknown field name or operator |
| Expected | and, or |

It should be rewritten like this:

| | |
|------------|-----------------------------------|
| Query | ✅ title contains "back to school" |
| Suggestion | |
| Expansion | title contains "back to school" |
| Status | Okay |
| Expected | and, or |

A similar problem occurs when performing regular expression matches that contain parentheses, for example:

| | |
|------------|--|
| Query | ❗ text matches [(merry happy) |
| Suggestion | |
| Expansion | text matches [(merry happy) |
| Status | Argument Error: Invalid regular expression, missing), unterminated subpattern at position 0 |
| Expected | |

In which case it should be rewritten as:

| | |
|------------|--------------------------------|
| Query | ✅ text matches "(merry happy)" |
| Suggestion | |
| Expansion | text matches "(merry happy)" |
| Status | Okay |
| Expected | and, or |

When searching for actual quotation marks, the alternative quotation marks can be used, for example:

| | |
|------------|---|
| Query | ✅ text contains 'press "space" if you are done' |
| Suggestion | |
| Expansion | text contains 'press "space" if you are done' |
| Status | Okay |
| Expected | and, or |

If searching for both types of quotation marks, the inner quotation marks can be escaped with '\', for example:

| | |
|------------|---|
| Query | ✅ text contains 'press "space" if you\'re done' |
| Suggestion | |
| Expansion | text contains 'press "space" if you\'re done' |
| Status | Okay |
| Expected | and, or |

3.6 Variables

Variables provide a shortcut to commonly used queries or parts of queries. Variables are defined in the configuration dialog; see section 6-Configuration for more information.

For example, if a variable named 'great' has been defined as 'rating >= 4.5', it can be used as follows:

| | |
|------------|---------------|
| Query | ✅ \$great |
| Suggestion | and, or |
| Expansion | rating >= 4.5 |

Note that the Expansion shows the query expression with the variable expanded into it. Variable names are always prefixed with a '\$' and once the '\$' is typed, the list of defined variables are suggested for completion; see section 3.1-Suggestions for more information.

When an error occurs within a variable expansion, the Query heading shows the variable at fault, and the Expansion heading shows the location of the fault in the variable. For example, if a variable named 'isEos' has been defined as 'type Xis eos', the fault would be shown as follows:

| | |
|------------|------------------------------------|
| Query | ❗ \$isEos |
| Suggestion | |
| Expansion | type Xis eos |
| Status | Argument Error: Invalid field verb |
| Expected | is |

Variable values can contain anything and do not necessarily have to be complete expressions in their own right. For example, given a variable named 'regTitle' with a value of 'type is reg and title contains', it could be used as follows:

| | |
|------------|--|
| Query | ✅ \$regTitle interview |
| Suggestion | and, or |
| Expansion | type is reg and title contains interview |

Variables can also reference other variables if needed. For example, if there are variables defined as follows:

'great' 'rating >= 4.5'
'greatThisYear' 'date = 2026 and \$great'

They could be used as follows:

| | |
|------------|-------------------------------|
| Query | ✅ \$greatThisYear |
| Suggestion | and, or |
| Expansion | date = 2026 and rating >= 4.5 |

3.7 Tips and Tricks

The **matches** verb can both broaden and constrain matches when the **contains** verb is over-matching, or sometimes more cumbersome to express the intended search pattern.

3.7.1 Improving under matching

Words can be constructed differently according to language, dialect, and preferred style of the author. For example, the word 'tiptoes' could also be written as 'tip toes' or 'tip-toes'. Searching for these dialectal variants could be accomplished with the **contains** verb as follows:

Example: text contains tiptoes or text contains "tip toes" or text contains tip-toes

This will match as intended, although it's a little verbose. One alternative is to use the **matches** verb to simplify the expression, for example:

Example: text matches tip[-]?toes

The '[' -]' specifies either a space or dash, and the '?' means that the '[' -]' is optional, hence this will match in the same way.



The '-' character within the '[']' can actually refer to a range of characters, for example '[a-e]' is equivalent to '[abcde]', but if the dash appears at the beginning or end, it is treated as a single character.

If you really don't care what the character is between the two words, you can simplify the expression even further:

Example: `text matches tip.?toes`

The `'.'` will match any character, and the `'?'` means that the `'.'` is optional.

For further experimentation with this example, follow this link: <https://pythex.org/>...

3.7.2 Improving over matching

For example, given the query expression:

Example: `text contains cat`

Matches: `Cats catch fish in watery locations. My "cat" is complicated and may not actually be a cat`

This will match all occurrences of 'cat', but also occurrences of 'catch', 'locations', and 'complicated' which may not be desired.

We can attempt to remove the unwanted matches by requiring a space before the word 'cat':

Example: `text contains " cat"`

Matches: `Cats catch fish in watery locations. My "cat" is complicated and may not actually be a cat`

This removes the match to 'locations' and 'complicated', but also loses the initial 'Cats' because it's not preceded by a space, and the middle 'cat' because it's preceded by a quote, not a space. We also still have 'catch'.

Let's fix matching against the middle 'cat' by using the `matches` verb and the regular expression character class `'\W'`:

Example: `text matches \Wcat`

Matches: `Cats catch fish in watery locations. My "cat" is complicated and may not actually be a cat`

The `'\W'` matches against non-alpha numerics, and hence restores the middle 'cat' match. However, we still don't match against the initial 'Cats'.

We can address that by matching against either non-alpha numerics, or by the start of text with the character class `'^'`:

Example: `text matches "(\W|^)cat"`

Matches: `Cats catch fish in watery locations. My "cat" is complicated and may not actually be a cat`

Here the parentheses `'()'` specifies a group, and the bar `'|'` represents either, so now we also match the initial 'Cats'.



Quotes are needed here because of the parentheses. See section 3.5-Quotes for more information.

Now we want to eliminate the match for 'catch' but still match 'Cats' and 'cat' using a similar technique:

Example: `text matches "(\W|^)cat(s|\W)"`

Matches: `Cats catch fish in watery locations. My "cat" is complicated and may not actually be a cat`

Unfortunately, we've now lost the match for the last 'cat' because it's at the end of the text and hence doesn't end with an 's' or non alpha-numeric.

This can be remedied by including the end-of-text character class '\$':

Example: text matches "(\W|^)cat(s|\W|\$)"

Matches: **Cats** catch fish in watery locations. My "**cat**" is complicated and may not actually be a **cat**

For further experimentation with this example, follow this link: <https://pythex.org/...>

4 Card Panel

Each tease card provides an overview of the tease.

| | | | | |
|-----------|----------------|-----------------------|--------|--------|
| Thumbnail | index | title of the tease | | |
| | hits | date | rating | author |
| | award | summary of the tease. | | |
| | type | | | |
| | list, of, tags | | | |

Icons specify additional information about the tease:

| Field | Icon | Meaning |
|--------|------|--|
| title | ✗ | Tease is no longer available |
| author | ✗ | Author is no longer a member of Milovana |
| | ? | Author is unknown for this tease |
| award | 🏆 | Tease was nominated for tease-of-the-month |
| | 🏆 | Tease won tease of the month |
| type | 📖 | Regular tease |
| | 🖋 | Interactive EOS tease |
| | 🖋 | Interactive NYX tease |
| | 🎧 | Audio tease |

For more details of these icons, see, see section 5-Iconography.

4.1 Interactions

Some interactions will launch a web browser which, by default, will open in your default browser as configured for your operating system. If you want to configure this behaviour, refer to section 6.1-Launch.

Double-left-clicking a tease card will open the tease.

Right-clicking a tease card will present a menu:

| | |
|----------------------------|---------------|
| Open Tease | |
| Open Author Profile | |
| Open Author Tease List | |
| Copy URL of Tease | |
| Copy URL of Author Profile | |
| Copy Card | > |
| | as Plain Text |
| | as BBCode |
| | as ANSI Text |
| | as HTML |

The options related to the author will not be available if the author of the tease is not known.

4.1.1 Sample of Plain Text

When copying a tease card as plain text, the following format is produced with all highlighting removed:

```
Index      3 Hits      4
Tease      #14921 Title    'Rapidly running out of time'
Author    @102759 Name      'FrozenWolf'
Type       eos Date      2023-08-12
Rating     4.1 Tags      female-top, for-men, metronome
Tease      https://milovana.com/webteases/showtease.php?id=14921
Author     https://milovana.com/forum/memberlist.php?mode=viewprofile&u=102759
Summary
Your time is running short and there seem to be no end of obstacles around to slow you down.
Will you manage to deliver before it's too late?
```

4.1.2 Sample of BBCode Text

When copying a tease card as BBCode, the following format is produced with all highlighting preserved:

```
[pre][color=#808080]Index      [/color]      3 [color=#808080]Hits      [/color]4[/pre]
[pre][color=#000060]Tease      [/color][url=https://milovana.com/webteases/showtease.php?id=14921] #14921[/url]
[color=#000060]Title    [/color][pre]'Rapidly running out of time'
[pre][color=#006000]Author    [/color][url=https://milovana.com/forum/memberlist.php?mode=viewprofile&u=102759]@102759[/url]
[color=#006000]Name      [/color][pre]'FrozenWolf'
[pre][color=#606000]Type      [/color]      eos [color=#606000]Date      [/color][pre]2023-08-12
[pre][color=#600060]Rating    [/color]      4.1 [color=#600060]Tags      [/color][pre]female-top, for-men, metronome
[pre][color=#007070]Summary[/color][pre]
Your time is running short and there seem to be no end of obstacles around to slow you down.
Will you manage to deliver before it's too late?
```

The colours of the headings and highlights specified in the BBCode can be configured according to section 6.2-Format Colours. This format can be useful for pasting into the Milovana forums.

4.1.3 Sample of ANSI Text

When copying a tease card as ANSI, the following format is produced with all highlighting preserved:

```
esc[0mIndex      esc[0m      3      esc[0mHits      esc[0m4
esc[34mTease      esc[0m #14921      esc[34mTitle      esc[0m'Rapidly running out of time'
esc[32mAuthor      esc[0m@102759      esc[32mName      esc[0m'FrozenWolf'
esc[33mType      esc[0m      eos      esc[33mDate      esc[0m2023-08-12
esc[35mRating      esc[0m      4.1      esc[35mTags      esc[0mfemale-top, for-men, metronome
esc[34mTease      esc[0mhttps://milovana.com/webteases/showtease.php?id=14921
esc[32mAuthor      esc[0mhttps://milovana.com/forum/memberlist.php?mode=viewprofile&u=102759
esc[36mSummary      esc[0m
Your time is running short and there seem to be no end of obstacles around to slow you down.
Will you manage to deliver before it's too late?
```

The text 'esc' is actually the escape character \x1b. The colours of the headings and highlights specified in the ANSI text can be configured according to section 6.2-Format Colours.

4.1.4 Sample of HTML

When copying a tease card as HTML, the following format is produced with all highlighting preserved:






```
<div id="summary14921" class="summaryTable">
<div class="td thumbnail"><a href="https://milovana.com/webteases/showtease.php?id=14921"></a></div><div class="th
index">Index</div><div class="th hits">Hits</div><div class="th teaseId">Tease</div><div class="th teaseTitle">Title</
div><div class="th authorId">Author</div><div class="th authorName">Name</div><div class="th type">Type</div><div
class="th date">Date</div><div class="th rating">Rating</div><div class="th tags">Tags</div><div class="th
summary">Summary</div>
<div class="td index">3</div><div class="td hits">4</div><div class="td teaseId"><a href="https://milovana.com/
webteases/showtease.php?id=102759"><div>102759</div></a></div><div class="td authorId"><a href="https://milovana.com/
forum/memberlist.php?mode=viewprofile&u=117077"><div>117077</div></a></div><div class="td type"><div>eos</div></div><div
class="td rating"><div>4.1</div></div><div class="td summary"><div>Your time is running short and there seem to be no
end of obstacles around to slow you down.</div><div>Will you manage to deliver before it's too late?</div></div><div
class="td title"><a class="toList" href="#list14921"><div class="totm-nominee"><div>Rapidly running out of time</div></
div></a></div><div class="td authorName"><div>Kaeli</div></div><div class="td date"><div>2023-08-12</div></div><div
class="td tags"><div>female-top</div>, <div>for-men</div>, <div>metronome</div></div>
</div>
```

CSS class definitions are used to specify the formatting in the generated HTML. This is probably not much use unless it's embedded into a HTML document with CSS styling.



5 Iconography

Various icons are used within MiloDB, matching those seen on the Milovana website when possible.



5.1 Tease Types

| Type | Icon | Meaning |
|------|---|--|
| reg |  | Regular tease These teases consist of sequential pages and do not support timers or interaction. |
| eos |  | Interactive EOS tease These teases support buttons, timers, dynamic branching, and random elements. They may also use browser local storage to remember things across playthroughs. |
| nyx |  | Interactive NYX tease These teases support buttons, timers, dynamic branching, and random elements. Also known as ‘flash’ teases because they were originally based on Adobe Flash.  This type of tease has been deprecated, now superseded by EOS. |
| aud |  | Audio tease These teases have a single page with an embedded audio player. There is no text content other than the title and summary. |


5.2 Tease of the Month

| Type | Icon | Meaning |
|---------|---|--|
| winner |  | Tease won tease of the month The tease was nominated and ultimately won the tease-of-the-month award. |
| nominee |  | Tease was nominated for tease-of-the-month |

5.3 Author Status

| Type | Icon | Meaning |
|--------|---|---|
| active | <i>none</i> | Author is a registered user of Milovana The absence of an icon indicates that this author is still registered with Milovana, although they may not necessarily be active. |
| gone |  | Author is no longer a member of Milovana The author is no longer registered with Milovana, hence their name no longer appears against teases on the Milovana website. In these cases, it indicates that the tease was captured at a time when the user was still registered. |
| gone |  | Author is unknown for this tease When the tease was captured, the author had already left Milovana, hence their name and authorId are not known. |

5.4 Tease Status

| Type | Icon | Meaning |
|---------|---|---|
| active | <i>none</i> | Tease is available |
| deleted |  | Tease is no longer available The tease has been deleted, hidden, set to invisible, or its contents is invalid. |

6 Configuration

6.1 Launch

When a web browser is launched, by default MiloDB will open the default browser as has been configured for your operating system. This can be customised to provide more control over which browser is used, or even to launch a different application entirely.

For those that use MiloDB on Windows and Linux interchangeably, the launch options are split to be platform specific, in this case “windows” and “linux” respectively. If you use OSX, that’ll be treated as Linux.



Make sure you’re editing the group that’s for your operating system.

The ‘launchOption’ specifies how the launch is handled.

| launchOption | Effect |
|--------------|--|
| default | Launch the default web browser with the relevant link. ‘customCommand’ is ignored. |
| custom | Launch the application specified by ‘customCommand’. |
| none | Do not launch anything, just show the file or url. ‘customCommand’ is ignored. |

These sample configurations are for launching a specific web browser in private/incognito mode. In all cases, the ‘launchOption’ is set to ‘custom’.

| Browser | Windows customCommand | Linux customCommand |
|-----------------|--------------------------------------|----------------------------------|
| Microsoft Edge | start msedge -inprivate "\$u" | |
| Mozilla Firefox | start firefox --private-window "\$u" | firefox --private-window '\$u' & |
| Google Chrome | start chrome --incognito "\$u" | chrome --incognito '\$u' & |
| Opera | start opera --private "\$u" | opera --private '\$u' & |

6.1.1 Open

The ‘open’ subgroup is used when opening a tease, author profile, or related page from the Milovana website.

Here is an example with ‘custom’ launch settings for both Windows and Linux:

| | |
|---------------|----------------------------------|
| launch | |
| open | |
| windows | |
| launchOption | custom |
| customCommand | start msedge -inprivate "\$u" |
| linux | |
| launchOption | custom |
| customCommand | firefox --private-window "\$u" & |

The 'customCommand' may contain parameters that are replaced at runtime with the appropriate content:

| Parameter | Meaning |
|-----------|---|
| \$u | The URI of the web or file link. Example web link: https://milovana.com/forum/viewtopic.php?p=34927 |

6.1.2 Summary

The 'summary' subgroup is used to open the file created by the 'Generate Summary' button.

Here is an example with 'custom' launch settings for both Windows and Linux:

| | |
|---------------|----------------------------------|
| launch | |
| summary | |
| windows | |
| launchOption | custom |
| customCommand | start msedge -inprivate "\$u" |
| linux | |
| launchOption | custom |
| customCommand | firefox --private-window "\$u" & |

The 'customCommand' may contain parameters that are replaced at runtime with the appropriate content:

| Parameter | Meaning |
|-----------|--|
| \$u | The URI of the file path. Example file on Linux: <code>file:///tmp/tmpphwoyc58k.html</code> Example file on Windows: <code>file:///C:/Temp/tmpnlkmvf4o.html</code> |
| \$p | The file path. Example file on Linux: <code>/tmp/tmpphwoyc58k.html</code> Example file on Windows: <code>C:\Temp\tmpnlkmvf4o.html</code> |

6.2 Format Colours

TODO

7 Database

The database that comes with MiloDB contains plain text content for the tease content. Authors can use a variety of formatting in their text which would be very difficult to search through, hence in the construction of the database, all formatting is removed. This makes the database considerably smaller than it otherwise would be if the teases were included as-is.

7.1 HTML Stripping

HTML tags allow for changes to font family, style, colour, etc. along with paragraph spacing and alignment.

The following is a sample of HTML formatted text:

```
<p><span style="color: #ce93d8">Your best and only defence will be typing </span><span style="color: #81c784"><strong>prompts</strong></span><span style="color: #ce93d8"><strong> </strong></span><span style="color: #ce93d8">that show up in </span><span style="color: #81c784"><strong>green</strong></span><span style="color: #ce93d8"><strong>.</strong></span></p>
```

This is stripped and stored as:

```
Your best and only defence will be typing prompts that show up in green.
```

7.2 Space Stripping

Some authors prefer to use extra spaces when writing their text for clarity, knowing that the text undergoes white-space-collapsing when being rendered. Therefore, extraneous spacing is also trimmed where it is obviously redundant.

Given the following text:

```
Hey there .... my name is Rusty Hammer ....
<br />
<br />
it seems that you are here to serve and worship me ..
<br />
<br />
aren't You ?
<br />
<br />
<br />
```

After stripping, this becomes:

```
Hey there .... my name is Rusty Hammer ....
it seems that you are here to serve and worship me ..
aren't You ?
```

7.3 JavaScript Collapsing

More advanced teases incorporate JavaScript into their text with `<eval>...</eval>`. These special tags are collapsed to a single `<eval>` tag to try and maintain the flow of the text.

Given the following text:

```
<p><eval>renderUserShipsWithHitsGrid()</eval></p>
<p>Enemy sunk your ship at <eval>state.lastEnemyGuess.toString()</eval>!</p>
<p>Enemy hit your ship at <eval>state.lastEnemyGuess.toString()</eval>!</p>
<p><span style="color: #ffccbc"><eval>getRandomInstruction(fetish)</eval></span></p>
```

After collapsing, this becomes:

```
<eval>
Enemy sunk your ship at <eval>!
Enemy hit your ship at <eval>!
<eval>
```

7.4 Duplication Squelching

Consecutive identical paragraphs within the same page of a tease are discarded. This can help remove duplication in interactive teases that branch according to variable conditions, and ultimately end up presenting the same text after JavaScript collapsing.

Given the following text:

```
<eval> Gold added to your payment
<eval> Gold added to your payment
<eval> Gold added to your payment
<eval> Gold added to your payment
<eval> Gold added to your payment
```

After squelching, this becomes:

```
<eval> Gold added to your payment
```

7.5 Character Replacements

Some authors use word processors to edit their text, and some word processors like to convert characters as you type, such as turning a dash character into a hyphen, or use left/right quotation marks. When processing the text, there are certain characters that are automatically converted to more conventional ASCII equivalents to simplify the search.

| Original | | | | Replacement | | |
|----------------------------|------|---------|---|----------------|------|---------|
| Name | Char | Unicode | | Name | Char | Unicode |
| Non-breaking Space | | U+00A0 | → | Space | | U+0020 |
| Carriage Return | | U+000D | → | Space | | U+0020 |
| Tab | | U+0009 | → | Space | | U+0020 |
| Zero Width space | | U+200B | → | <i>nothing</i> | | |
| Grave Accent | ` | U+0060 | → | Apostrophe | ' | U+0027 |
| Acute Accent | ´ | U+00B4 | → | Apostrophe | ' | U+0027 |
| Hyphen | - | U+2010 | → | Hyphen Minus | - | U+002D |
| Non-breaking Hyphen | - | U+2011 | → | Hyphen Minus | - | U+002D |
| Figure Dash | - | U+2012 | → | Hyphen Minus | - | U+002D |
| En Dash | – | U+2013 | → | Hyphen Minus | - | U+002D |
| Em Dash | — | U+2014 | → | Hyphen Minus | - | U+002D |
| Horizontal Bar | — | U+2015 | → | Hyphen Minus | - | U+002D |
| Swung Dash | ~ | U+2053 | → | Hyphen Minus | - | U+002D |
| Minus Sign | — | U+2212 | → | Hyphen Minus | - | U+002D |
| Small Em Dash | — | U+FE58 | → | Hyphen Minus | - | U+002D |
| Small Hyphen Minus | - | U+FE63 | → | Hyphen Minus | - | U+002D |
| Full-width Hyphen Minus | - | U+FF0D | → | Hyphen Minus | - | U+002D |
| Left Single Quotation Mark | ‘ | U+2018 | → | Apostrophe | ' | U+0027 |

| | | | | | | |
|---------------------------------------|-------------|----------------|---|--------------------|-------------|----------------|
| Right Single Quotation Mark | ' | U+2019 | → | Apostrophe | ‘ | U+0027 |
| Single Low-9 Quotation Mark | , | U+201A | → | Apostrophe | ‘ | U+0027 |
| Single High-Reversed-9 Quotation Mark | ‘ | U+201B | → | Apostrophe | ‘ | U+0027 |
| Left Double Quotation Mark | “ | U+201C | → | Quotation Mark | “ | U+0022 |
| Right Double Quotation Mark | ” | U+201D | → | Quotation Mark | “ | U+0022 |
| Double Low-9 Quotation Mark | „ | U+201E | → | Quotation Mark | “ | U+0022 |
| Double High-Reversed-9 Quotation Mark | “ | U+201F | → | Quotation Mark | “ | U+0022 |
| Horizontal Ellipsis | ... | U+2026 | → | Period | ... | U+002E (x3) |
| Low Asterisk | * | U+204E | → | Asterisk | * | U+002A |
| Name | Char | Unicode | | Name | Char | Unicode |
| Original | | | | Replacement | | |