

The Official DeMark User Manual

Team DeFacto-UW:

Andrew Tran, Tony Vo, Tuan Ma, Jeff Xu, Lemei Zhang

April 17, 2018

Introduction

Debugging plays an important role in software engineering, yet it can be very time-consuming. One common way for a developer to debug through their code is with the use of print statements, but it can be a tedious task to manage them.

DeMark is a plugin for the IntelliJ IDEA IDE that is used to keep track of temporary code. It aims to increase software developers' programming productivity by facilitating the managing of temporary code.

Installation

The following instructions are a modified version of the official IntelliJ help documentation on the JetBrains website [1]:

1. Press **[Ctrl + Alt + S]** or choose **File | Settings** (for Windows and Linux or **IntelliJ IDEA | Preferences** (for macOS) from the main menu, then go to **Plugins**.
2. Click the **Install JetBrains plugin** or the **Browse repositories** button.
3. In the dialog that opens, search for the plugin by typing “DeMark” into the search bar. Right-click the plugin labeled “DeMark” and select **Download and Install**.
4. Confirm your intention to download and install DeMark.
5. Close the plugin window and click **OK** in the **Settings** dialog.
6. Restart IntelliJ IDEA.

DeMark will appear as a drop down menu on the top tool bar. There will also be a toggle button next to the quick tools area.

Using DeMark

Mark and Unmark

Marking a line will highlight the line and put a check mark next to its line number. There are two ways to mark a line:

- Click on the line number located to the right of the code editor of the line you want to mark.
- Place the cursor on the line you want to mark and press `[Alt + M]`.

Unmarking a line will remove the highlight on the line and the check mark next to its line number. There are two ways to unmark a line:

- Click on the line number located to the right of the code editor of the currently marked line.
- Place the cursor on the marked line you want to unmark and press `[Alt + M]`.

Clear and Unclear

Clear will clear all currently marked lines from the current file. There are two ways to clear all marked lines:

- Choose **DeMark | Clear** in the toolbar.
- Press `[Alt + D + D]`.

Unclear will restore all previously cleared line for a file. There are two ways to unclear all previously cleared lines:

- Choose **DeMark | Unclear**
- Press `[Alt + Shift + D + D]`

Toggle

The Toggle feature allows the user to turn on and off the functionality and visuals for the plugin. The toggle button is located near the quick tools toolbar.

- When the toggle is off, the marked lines will be hidden, and the plugin will disallow any further marking/clearing when toggle is off.
- When the toggle is on, the hidden marked lines will be displayed again, and the user is allowed to do additional markings or clearing the marked lines.

Display

Display allows the user to view all marked lines in a file from a more project overview level by only displaying the marked lines along with a range of lines above and below to provide context:

- Choose **DeMark | Display** in the toolbar.

References

- [1] *Installing, updating and uninstalling repository plugins*. Available at <https://www.jetbrains.com/help/idea/installing-updating-and-uninstalling-repository-plugins.html>.