# STEAMWARE

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| USE CASE NAME | Use case name is Steamware. It fetches numerous libraries related to multiple programming languages and imports it to your working environment |
| BRIEF DESCRIPTION | Steamware is an open-source software which gives user access to thousands of libraries and plugins from available websites and databases depending on the work of field you decide to work on. It makes coding environment easy and user friendly. It accumulates data from common and universal websites like Github where software updation is constant. It also helps new coders to gather information and data regarding their snippet. |
| FLOW OF EVENTS | → Open the application<br>→ Select your programming language<br>→ Select your field of work<br>→ Select from the appropriate list of displayed plugins<br>→ Download and install the plugins<br>→ Choose the IDE where the plugins shall be implemented. |
| BASIC FLOW | This use case starts when the use wishes to perform data analysis<br>1. Select Python from the programming languages<br>2. Selects data analytics from the field of work<br>3. From the displayed plugins, matplot, pandas, numpy and seaborn are selected.<br>4. These libraries are installed from their respective websites |

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| | 5. These are imported to VSCode with default import python lines |
| ALTERNATIVE FLOW | **Unavailable plugins/libraries**<br>if in the Basic Flow the actor doesn't find the required library, then a request a pushed to the system to update their database with the necessary plugins. Once the plugin is available, it is notified to the user.<br>**Unavailable IDE**<br>If in the Basic Flow the system doesn't find the required IDE for the plugin to be implemented, then plugin is automatically pushed to default environment. (i.e.., Windows-Notepad) |
| PRE-CONDITION | IDE, OS, basic coding knowledge |
| POST CONDITION | If the use case was successful, the actor is now working with all the required plugins and a stable IDE. |
| EXTENSION POINTS | There are few extension points that can be used:<br> 1) Plugins can also be imported from GitHub<br>2) Additional information for required plugins can be accessed from Stack Overflow<br>3) An option can be given to download a free IDE before adding the IDE to install the required plugins. |