Ministry Category : Department of Defence Production

Problem Statement : **Development of Plug-in to the IDE to add a function as reusable code and retrieve from the reusable list of functions**

Problem Code : #DDP10

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Current AICTE Application No : 1-4190371

Solution:

- A plugin is to be developed for the Eclipse IDE to add a function as reusable code and to retrieve it in the future. This can be done using the Eclipse PDE.
- The plugin would allow to *add* selected code to the reusable code base after being reviewed by the reviewers in the central repository.
- It also allows user to *retrieve* the reusable functions, when needed, from the central repository.
- The user gets automatic *suggestions* about the reusable functions when the user starts typing its name.
- Only the Project Manager is given access to *delete* the code to avoid accidental changes.

Technological Stack:

Plugin Development Environment(Eclipse PDE, a plug-in)
Eclipse
Java
OS
Hardware

Use Cases 📎

1. Reuse Code :

The developer is able to view and use the code found in the reusable code base. The developer can also include the code from the required category

2. Add Code :

The developer sends the code for review and once the review is successful the code would be added to the corresponding category in the reusable code base

3. Review Code:

The reviewers(developer or project manager) reviews the code present in the reusable code base

4. Delete Code :

The Project Manager can delete the code that is no longer needed

5. Edit Code :

The Developer can edit the code which will be updated in the code base after getting reviewed

Hardware Dependencies:

Primary Memory – 512 MB or more
Available Space – 500 MB or more
Processor Speed – 800Mhz or faster

Software Dependencies:

Operating Systems - Windows XP or later , GNU/Linux , Mac OS X or later
Java Version – 1.4.0 or later
Eclipse and PDE plug-in for Eclipse

Data Dependency: Reusable Library, Access to Central Repository