**LockedMe.com prototype sprint details by Indra Parameswaran**

Prototype of the Locked Me.com application on the command prompt

Prototype completed in 15 days including planning, designing, coding and execution.

Prototype planning with 3 sprints with 1 week for each sprint.

**Sprint 1**

1.Designing the application with specification documents including product’s capabilities, appearance and user interaction.

2.Setting up of Git and GitHub account to store and track the application, in the developer’s repo.

3.Flow chart model using draw.io, to visually represent the LockedMe.com app.

4.Coding the welcome screen ready for user interface.

5.Creating directories to store files.

**Sprint 2:**

1.Coding using core concepts and algorithms for the menu options with appropriate user input using Scanner class.

2.Coding using core concepts and algorithms for the file operations including being able to:

--retrieve file,

--add file,

--delete file,

--search file

following the requirements of case sensitivity; handling file not found exception with messages; using concepts of exceptions, collections and sorting techniques; app should not close, exit or throw an exception for invalid input.

**Sprint 3:**

1.Coding and testing for closing the application.

2.Setting up jar file to be able to access the application on the command line.

2.Testing the entire application.

3.Fixed the bugs in the application including running the program successfully in the command line.

4. After completing file operations of add, delete and search file the context switches back to file operations menu.

**Developer Suggestions:**

Enhancement of the requirements to improve project efficacy. Completing the prototype based on Client’s requirements raises the following suggestions for the development team and to the client:

1.Having a log file, to log user interaction with the directory.

2.After file operations of Add, delete and search user can have another option to consider, if they want to do the same operation on the directory again. For example: “Do you want to add another file?”.

3.Directory should be able to access and retrieve file formats with varied data types.