CC14 MILESTONE 1

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**Case Description: hubIT**

**General Description:**

hubIT serves as a open forum for programming beginners that allows them to straightforwardly share and browse topics/files. hubIT also serves as a platform for users to share their own topics and files towards other users.

**Basic Operations:**

Users usually use this application to upload source codes/Books/PDFs and share it with other users. If there are source codes or books/PDFs shared, the users can download the files. This application can only be used in computers. All shared files are sent to the database. Each file can be categorized by their file formats, topic type, and date uploaded which allows the user to find the file they needed with ease. A file can be uploaded/downloaded in public or in rooms.

To use the application, they are required to sign-up to register their account which they need to input their personal information such as their Full Name, E-Mail, Password, Birth date, Gender, Address, and their Occupation.

**Information Needs:**

All user data are to be stored in the central database. The developers are responsible for the stored credentials of the user.

1. **User Registration/Verification:** User ID, e-Mail, First Name, Last Name, Password, Birth Date, Gender, Occupation, Address, and Reputation

Allows the user to verify his/herself to log in to the system.

1. **Topic:** Topic ID, Topic Title, Topic Type, Topic Date

This filters file categories to ease finding of file types.

1. **Category:** Category ID, Category Description, and Category Type

This filters category based on user preference.

1. **Upload/Download/View files :** File ID, File Name, File Type, and File Date.

This allows the user to upload, download, or view files. Can upload, download, view files by filename, file type, or date uploaded.

1. **Manager:** Manager ID, Manager Username, and Manager Password.

This manages the files uploaded and the topic created by the users. Can also manage users information.