

# CS1890 Assessed Coursework 3

## Project C

### File Repository System

#### Context

A local authority department that is responsible for storing and managing a number of documents such as planning applications, wants to implement a new file repository system. This is to allow multiple versions of files to be stored, regardless of format, and to allow meta information to be stored alongside the file. Ms. Charlton was left in charge of identifying an initial list of requirements for a software application that will support these goals. She is assisted by Mr. Mann in this undertaking and below you will find relevant documents about their activities.

#### **Excerpt from the minutes of the departmental meeting in which the implementation of the new repository was decided**

Ms. Charlton presented the new ideas for a file repository. This will need to accept storing multiple versions of files whilst allowing for the user to provide comments each time a file is added. In addition, it will need to be able to list the history of files and corresponding comments, and allow the user to retrieve any version at any time.

All staff welcomed the new ideas but requested that the repository keeps information about file owner, who made the latest edits, and the date of submission.

Mr. Mann explained this is being planned and a requirements definition phase will soon start.

## Short text file where Ms. Charlton and Mr. Mann recorded initial thoughts

In addition to what was discussed in the meeting, the following will be implemented:

- the system should check if a file being submitted to the repository presents no changes to the previous version, and do nothing if that is the case
- users can be grouped; a user can belong to more than a group
- users can only see the files they stored in the repository themselves or from other members in their group(s)
- an admin user can see all files and comments
- users can ask to be notified by e-mail if a file that belongs to one of their groups has a new version
- files will automatically be archived if they are not accessed for a year or more
- reports on individuals and groups should be available to group leaders and the admin officer

## Additional features identified by another member of staff

When there are multiple files to be stored, instead of storing each file with a separate operation there should be a *multiple update mode* allowing the user to:

- provide a single comment that is applied to each file
- change group ownerships for each file