**Team Project Report**

Group Sections

1. **The project :** 
   * **Description**

This application has been developed to record and display course/ module info., students grades and learning outcomes and records, on a windows and MS access database.

The application is primarily intended for use by FIT course Software development participants and may be adapted to suit other courses - the need identified by our team is a way to record results and track progress as the students are completing modules and assignments, with the ultimate goal to finish the course over a two year period. The application will be used by the student and the information will be saved to their own personal computer the data table regarding the course information will be pre-populated and the student info database will be linked via a course code which will enable students potentially lecturers to record their learning out comes, assignment test results relating to each module. The current version is a prototype which has been developed over the last 8 college days and whilst not a fully finished application shows the look and feel and has given us a foundation to build onto. We have already identified.

* + **Technologies used**
* Software has been developed using Microsoft visual studios IDE using C# and windows forms, along with a MS Access Database.
* Project management – user stories software Jira has been used to aid the project management and development of the software.
* Git Hub – was used for version controlling.

1. **The Scrum process:**
   * **Initial SCRUM meeting:**

We have held 3 daily meetings and set small targets to achieve in these short sprints, and we have discussed progress and issues to overcome in the subsequent meetings.

* + **Meetings**

Meeting were held remotely at 9:15, 12 and 3:45.

* + **Story Maps**

We had made a document with a story board at the beginning of the process and we also downloaded Jira Software which is a way of aiding the project and tracking tasks for the project etc.

**Design Storyboard**

* **Who is the end user?**

Students of FIT Software Dev course

* **What do they need to do with the application?**

To help track results and progress as they do their course.

* **Why would they need the application?**

It is hard to keep records of all results etc as we are dealing with different tutors, using different platforms. Also to give students an overall view of their progress as they go through the course.

* **How can they use the application?**

The application can be installed and set up on the users PC and database will be stored locally. Each student will be able to log in. The application will be menu driven with some good user interface. Some information will be able to be updated and amended. Information will be displayed in various forms to help the user track progress on modules and the course overall.

* **What are the key features of the application?**

Course and module information.

Student and module records.

Student - task/ assignment records.

**See below some screen shots of the application:**

|  |  |
| --- | --- |
|  | * Here user can log on, password and user names are checked against a database. |
|  | * The main menu gives the user options to choose:   See Module information, course information, student information, task information of log out. |
|  | * Choosing the module information user can scroll through the course module information which is stored on the database, user can add, edit records also each module has tasks to do and the user can view the list of tasks by selecting the appropriate button. |
|  | * The tasks for the particular module are displayed here in a list form. Each task can be double clicked on to show the more information on the specific task (see below) |
|  | * Information about the specific task is displayed here. |

* + **Testing**

Testing is still to be carried out on the software prior to final release – due to limited time the testing will – obvious issues would be checking for data entry when adding module records etc.

Also referring back to the original scope of the project and making sure we are still developing the required software and seeing how the project has evolved is a wise thing to do.

* + **Future releases/sprints**

As with lots of these developments what appears to be a straightforward task has opened up many possibilities to improve the software over time:

* Making the software so the databases are centrally controlled and updated by a course tutor etc. Results etc. could be input only by tutor – students could log onto the system and view.
* More detailed records of when modules started and finished, when tasks were carried out.
* An administrator level access and a student level access for the application. With ability to set up new users etc.
* The possibility to make this usable to any course would be the ultimate goal.
* Consideration on how to eventually deploy the software would also be required – initial thoughts are an exe file and a database set up on the users device/ p.c.
  + **Code versioning**

Code was stored in a GIT Hub repository and each developer could pull down and push up versions at regular intervals during the day and when milestones were met.

* + **Team communication**

Due to remote working - Daily meetings were carried out and team communicated through Discord messenger and calls. Screen sharing was often used to show progress on the application.

**Individual section**

1. **Summary:** 
   1. Reflection on the project – what went right, what went wrong, what you learned from the experience.