Group Project – Interim Group Report

Client: Dr F C Langbein

Product

Owner: C Allen

Team 1: R Watson

A Lamnea

W Cooter

S Tomlinson

Team 2: Ellis Doran

E Joiner

H Nicholson

J Davies

Back End: Ethan Kelly

Group 10 was broken into three primary work groups. Team 1 and team 2. I broke it down like this so that the work could be shared out with more structure. This allowed the authority to be shared too by having two team leads. I felt this was the best approach initially as it allowed the task to be broken down into a series of manageable tasks which could be concurrently developed.

Following our initial meeting with the client we a number of requirements that we broke into functional and non-functional requirements.

|  |  |
| --- | --- |
| Functional | Non-functional |
| Upload proposals | Flexible on group members |
| Assign students to groups | Must function on minimum input |
| Manually add/remove students | Must be easy to add to |
| Provide mark moderation | Must present a username |
| Must ensure simultaneous release of marks | Must include tools to help students complete group project |
| Mark deadlines |  |
| Give students tools to manage projects |  |
| Allow for pseudo-random assignment to groups |  |

In order to meet these criteria we broke the system into 4 major parts which should work together to various degrees in order to successfully meet all requirements. These are a file upload system, a grouping tool, project tools and a grading tool.

We started development of the file upload system to begin with, this allowed us to produce a core system, which could be added to later in order to allow mark moderation and a grouping tool together. The file upload system was given to team 1 in order to provide a working foundation for all the code we would produce.

To guide Team 1 through the development process I generated some testable requirements to meet throughout the design. These were developed from the requirements given by the client and from issues we identified in the planning process.

To speed up development it was my choice to develop a python script to produce a list of students that are formed into groups. This allowed the development of the most important and the hardest to implement tools first. Following these two tools development my plan was to present to the client the option to have both of these tools separately working or whether to integrate them.

Team 1

[Delete everything between square brackets when done, these are a content guide and should help the report follow the same themes require for your part of the report]

[Short intro:

-Requirements

-How you expected to meet them]

[2-4 para

-How you planned your data structure use (why you used array instead of map or w/e)

-Talk about cohesive code design

-Talk about how it is coupled with other elements of the program

-Explain how it solved the problem]

[UML of your part of the system (speak to Chloe if you need help)]

[3-5 paragraphs

-Explain how the testable criteria was met

-Explain issues you have encountered

-Talk about how you think these issues could be solved]

[Summary

-Explain why the structure of your program is the best within the requirements

-Talk about team level decisions you would redo]

Team 2

[Short intro:

-Requirements

-How you expected to meet them]

[2-4 para

-How you planned your data structure use (why you used array instead of map or w/e)

-Talk about cohesive code design

-Talk about how it is coupled with other elements of the program

-Explain how it solved the problem]

[UML of your part of the system (speak to Chloe if you need help)]

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-Explain how the testable criteria was met

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[Summary

-Explain why the structure of your program is the best within the requirements

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Back-End

[Short intro:

-Requirements

-How you expected to meet them]

[2-4 para

-How you planned your data structure use (why you used array instead of map or w/e)

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-Talk about how it is coupled with other elements of the program

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