Week 3 Seminar & Pre-class activities

Q1. Investigating requirements (2 parts)

Question A *Submitted Mar 19th 2022 at 11:46:37 am*

As a user of the Allocate+ system, identify one business opportunity which would improve the system.

(not more than a couple of sentences to describe the opportunity)

> Make the allocate+ system into a software, which is an internal software that can only be downloaded from the school network, and can only be logged in with the student account. After opening the login, allocate+ will run by default in the background of the system, and students and teachers will be prompted whenever there is a course schedule in the timetable.

Question B *Submitted Mar 19th 2022 at 11:49:31 am*

Identify 2 functional requirements, and 2 non-functional requirements of the Allocate+ system as you know it.

(list the requirements in point form - not more that a sentence per requirement)

> functional requirements:
>
> 1. log-in system
>
> 2. Assign courses
>
> non-functional requirements:
>
> 1. The system can support a large number of users at the same time
>
> 2. Simple user page

Q2. Interviews

Question A *Submitted Mar 19th 2022 at 1:19:07 pm*

You are going to conduct an interview with Andrew from Bayside Bikes - the Product Owner on your Agile Team.

Briefly describe *(in point form)* the key things you need to to do to prepare for this interview to ensure its success.

1. Make sure face-to-face conversations are one-on-one.

2. Mutually determine the time and location of the interview to ensure that the interview goes smoothly.

3. Determine the topic of the interview question and set an informational goal.

4. Varied requirements are welcome, and multiple proposals are accepted.

5. Get to know the team ahead of time and ask important key questions.

6. Reasonable arrangement of time, simple and clear question and answer discussion.

7. Record conversation files and share them.

Q4. Other Data Gathering Techniques (3 parts)

You are a developer on a project team improving some aspects of the Allocate+ system. For each of the following 3 questions, identify the best data gathering technique(s) to get the information specified, and provide 2 reasons *(in point form)* for your choice.

Question A *Submitted Mar 19th 2022 at 12:10:56 pm*

The development team want to get a sense of how bad current students think the current version of the waiting list functionality is. For example do they absolutely hate it, or are they just mildly irritated by it.

> Questionnaire：
>
> Because questionnaires can collect feedback from a large number of students in a short period of time for analogy, statistics and analysis.
>
> The bar chart formed after the statistics is completed can simply and clearly tell the team the proportion of people who dislike or dislike it very much.

Question B *Submitted Mar 19th 2022 at 12:14:31 pm*

The team have been told that concerns have been expressed about the usability of the system's interfaces, and would like to understand what some of these issues are.

> Interview：
>
> Because someone asks a question, interviewing the people who asked the question can be more effective in identifying problems.
>
> During the interview, they can present the questions more intuitively, and can quickly determine the direction of improvement

Question C *Submitted Mar 19th 2022 at 12:11:02 pm*

The team have been told to improve the reporting functionality of the system.

> Research vendor/competitor
>
> Many problems have been solved by other companies - have a look around for good ideas.

And cheaper and less risky.