**Task 1 - Test Case**

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| --- | --- | --- | --- | --- | --- |
| **Test Case Id:**  **AAT System 08** | | **Test Purpose:** Verify requirement--Both teaching staff and students must be able to leave and review comments on questions set as part of a formative assessment. | | | |
| **Environment:** Google Chrome；Windows 10 | | | | | |
| **Preconditions:** Formative tests for modules have already been created; The user is logged into the system as teaching staff and has navigated to the home menu. | | | | | |
| **Test Case Steps:** Basic flow (interface sketches 1a,1b,1c,1d,1e,1f,1g,1h) | | | | | |
| Step No | Procedure | | | Expected Response | Pass/Fail |
| 1 | Select ’To Module’  (figure 1) | | | Displays messages: current courses have ‘CMT100-Java’ and ‘CMT101-Python’ with ‘view’ and ‘delete’ buttons  (figure 2) |  |
| 2 | Select ‘view’ in the course “CMT100-Java” area  (figure 2) | | | Displays messages: formative self-test information with ‘view’, ‘edit ‘and ‘delete’ buttons  (figure 3) |  |
| 3 | Select formative self-test ‘view’ button  (figure 3) | | | Displays messages:’ formative test question ‘10+12=?’ with a blank comment label next to a ‘comment on Q1’ button  (figure 4) |  |
| 4 | Click to type ‘comment test’ in the blank label and click ‘comment on Q1”  (figure 5) | | | Displays messages:’ comment test –bob[teacher]’ has been added under the question  (figure 6) |  |
| **Comments: [provide details of any failed steps]** | | | | | |
| **Related Tests:** 3. ADD (EDIT and DELETE) SUMMATIVE / FORMATIVE ASSESSMENT | | | | | |
| **Author:** Peishan Li | | | **Checker:** | | |

Figure 1

Graphical user interface, application

Description automatically generated

Figure 2

Graphical user interface, application

Description automatically generated

Figure 3Graphical user interface, text

Description automatically generated

Figure 4Graphical user interface, text, application, email

Description automatically generated

Figure 5Graphical user interface, text, application

Description automatically generated

Figure 6Graphical user interface, text, application

Description automatically generated

**Task 2 - Developing the prototype**

After our team received the assignment to develop the AAT System, we split the functionality requirements of the system into 7 modules and then assigned each team member to develop them. Each team member took primary responsibility for one of the required functions assigned to them, including carrying out development and testing.

During the formative stages of the team, the members were very apprehensive and found it’s a difficult task to develop a fully functional AAT system, as we had two inexperienced coders in the team, which meant that the other experienced members not only had to do their own part of work but also need to lead and help the other team members. For this reason, we had a lot of arguments during the task allocation phase and went through a storming stage. The Co-Ordinator of our team thought that the simplest functions should be given to the less experienced and those challenging tasks to the more experienced Specialists. However, our Team Worker thought that the tasks should be distributed fairly according to members’ interests whilst the inexperienced members could ask for help from our Specialists. During the norming stage, in order to meet the deadline with a completed fully functional AAT system, we opted for the advice from our Team Worker of close collaboration. We were using the Waterfall Methodology, as we felt it would be more effective for the team to work with a joint contribution. During the performing stage, we carefully planned out the weekly tasks that each member needed to complete by drawing a Gantt Chart (figure 1)and used the branch function on Gitlab to develop and merge each function together. We had in-person meetings every Monday to test and merge our work, and also revise the previous week's work before confirming the tasks for the upcoming week. Every Friday, we had online meetings to catch up on our work and help each other solve problems. Through careful planning and the perseverance of the members, we have achieved positive results and have managed to develop a fully functional system within the planned time frame.

In my opinion, we managed to work as a team and our team performance is more than the sum of our parts during the development of this project. If the decision to delegate work to members at the beginning was really made by assigning difficult tasks to the experienced members and easy tasks to the weak members in order to avoid trouble, then the final result should be just a sum of individual work. Nevertheless, our inexperienced members were not content to lose the opportunity to practice themselves in order to cope with the project, the desire for achievements, improve themselves, gain the recognition from folk and themselves, their interest in the task, and their own sense of responsibility, all these things formed a strong motivation to take this challenge. In order to work towards our common goal and overcome difficulties, even though we took more time to help the less able teammates and solve other members' problems, it was the mutual argument and discussion that allowed us to develop collective products through joint contributions from members. We gave more effort, but we also gained more beyond the individual work.

As a newcomer to the team, I was able to develop the project with the help of my knowledgeable teammates, which not only honed my skills but also taught me the right way to work as a team. I am also able to define my role as Resource Investigator, Monitor Evaluator and Implementer to make more contributions to more projects.

Gitlink to our final AAT prototype version: <https://git.cardiff.ac.uk/c21046453/cmt313_aat>

Appendix:

Table

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(Figure 1: Gantt Chart)

**TASK 4 Peer and Self-assessment**

**CMT313 Software Engineering - Self & Peer Review Contribution Forms**

Student ID \_\_21104607\_\_\_\_\_\_\_ Team Letter \_\_\_K\_\_\_\_\_\_\_\_\_

**Self Review Contribution Form**

Assessment of: \_\_\_\_\_\_YOURSELF\_\_\_\_\_\_\_\_\_\_\_\_

For each category, provide some comments, and award yourself and each member of your team a rating using the scale, 😊, 😐, ☹. Remember to refer to your team agreement.

|  |  |  |
| --- | --- | --- |
| Category | Comments, Explanations etc. | Rating  😊 😐 ☹ |
| **Group Participation and Citizenship**   * Attended meetings regularly and on time, * Positive attitude, encouraged and motivated team members, * Engages and provides effective contribution in discussions at meetings or online. * Supported team decisions, helped to reach team consensus, helped resolve conflicts in the team. | * Did Attend meetings regularly and on time * Had positive attitude that encouraged team members * Did engage and provide effective contribution in discussions at meetings * Did support team decisions and help to reach team consensus and resolve conflicts in the team. | 😊 |
| **Time Management and Responsibility**   * Accepted fair share of work * Reliably completed work by required time. * Participates in Team Project Management, formally or informally ensuring the work stays on track, with everyone informed of progress. | * Accepted fair share of work pretty well * Completed the work reliably by required time * Well done in participating in Team Project Management, formally ensuring the work stays on track with everyone informed of progress. | 😊 |
| **Scholarly / Professional**   * Displayed or tried to develop a wide range of skills in the service of the project, * Provided technical insights and solutions to problems. * Willing to provide/accepts constructive criticism, willing to adapt / consider other people’s perspective | * Tried my best to develop skills that all I had in the service of the project. * Provided some technical insights and solutions to problems. * Proactively asked group members for constructive criticism and willing to consider the perspectives of others | 😊 |

**Peer Review Contribution Form – Fellow Team Member 1**

ID of student you are reviewing: \_\_\_\_\_\_21105300 \_\_\_\_\_\_\_

For each category, provide some comments, and award yourself and each member of your team a rating using the scale, 😊, 😐, ☹. Remember to refer to your team agreement.

|  |  |  |
| --- | --- | --- |
| Category | Comments, Explanations etc. | Rating  😊 😐 ☹ |
| **Group Participation and Citizenship**   * Attended meetings regularly and on time, * Positive attitude, encouraged and motivated team members, * Engages and provides effective contribution in discussions at meetings or online. * Supported team decisions, helped to reach team consensus, helped resolve conflicts in the team. | * Perfect for attending meetings regularly and on time. * Very positive attitude that encourages and motivates team members. * Participates and provides effective contributions in online discussions. * Effectively supports team decisions, helps reach team consensus, and helps resolve conflicts in the team. | 😊 |
| **Time Management and Responsibility**   * Accepted fair share of work * Reliably completed work by required time. * Participates in Team Project Management, formally or informally ensuring the work stays on track, with everyone informed of progress. | * Accepted a fair share of work without complaint * Reliably completes work in a timely manner and within the allotted time * Consistently made sure work stayed on track and kept everyone informed of his progress | 😊 |
| **Scholarly / Professional**   * Displayed or tried to develop a wide range of skills in the service of the project, * Provided technical insights and solutions to problems. * Willing to provide/accepts constructive criticism, willing to adapt / consider other people’s perspective | * Demonstrates a wide range of skills in the process. * Effectively provides technical insight and problem solving. * Open to providing and accepting constructive criticism and will carefully consider the views of others. | 😊 |

**Peer Review Contribution Form – Fellow Team Member 2**

ID of student you are reviewing: \_\_\_\_\_\_21107006\_\_\_\_\_\_\_\_

For each category, provide some comments, and award yourself and each member of your team a rating using the scale, 😊, 😐, ☹. Remember to refer to your team agreement.

|  |  |  |
| --- | --- | --- |
| Category | Comments, Explanations etc. | Rating  😊 😐 ☹ |
| **Group Participation and Citizenship**   * Attended meetings regularly and on time, * Positive attitude, encouraged and motivated team members, * Engages and provides effective contribution in discussions at meetings or online. * Supported team decisions, helped to reach team consensus, helped resolve conflicts in the team. | * Attend meetings regularly and on time. * Maintain a positive attitude at all times to encourage and motivate team members. * Participate and provide effective contributions in online discussions. * Supports team decisions well, helps reach team consensus, and helps resolve conflicts in the team. | 😊 |
| **Time Management and Responsibility**   * Accepted fair share of work * Reliably completed work by required time. * Participates in Team Project Management, formally or informally ensuring the work stays on track, with everyone informed of progress. | * Readily accepts a fair share of work * Reliably completes work within a set time frame * Do participate in team project management to formally ensure work stays on track and keep everyone informed of progress. | 😊 |
| **Scholarly / Professional**   * Displayed or tried to develop a wide range of skills in the service of the project, * Provided technical insights and solutions to problems. * Willing to provide/accepts constructive criticism, willing to adapt / consider other people’s perspective | * Did everything possible to develop a wide range of skills. * Insightful provided technical insight and problem solving. * Open to constructive criticism and willing to s others' perspectives | 😊 |

**Peer Review Contribution Form – Fellow Team Member 3**

ID of student you are reviewing: \_\_\_\_\_\_21013017

For each category, provide some comments, and award yourself and each member of your team a rating using the scale, 😊, 😐, ☹. Remember to refer to your team agreement.

|  |  |  |
| --- | --- | --- |
| Category | Comments, Explanations etc. | Rating  😊 😐 ☹ |
| **Group Participation and Citizenship**   * Attended meetings regularly and on time, * Positive attitude, encouraged and motivated team members, * Engages and provides effective contribution in discussions at meetings or online. * Supported team decisions, helped to reach team consensus, helped resolve conflicts in the team. | * Attend every meeting on time. * Possesses a positive attitude and is good at encouraging and motivating team members. * Participate enthusiastically in online discussions and provide effective contributions. * Very supportive of team decisions, helping to reach team consensus and helping to resolve conflicts within the team. | 😊 |
| **Time Management and Responsibility**   * Accepted fair share of work * Reliably completed work by required time. * Participates in Team Project Management, formally or informally ensuring the work stays on track, with everyone informed of progress. | * Happily accepts a fair share of work * Efficiently completes work reliably and within the allotted time * Formally ensures work stays on track and keeps everyone informed of progress | 😊 |
| **Scholarly / Professional**   * Displayed or tried to develop a wide range of skills in the service of the project, * Provided technical insights and solutions to problems. * Willing to provide/accepts constructive criticism, willing to adapt / consider other people’s perspective | * Demonstrated strong skills in the process and led the group to move the work forward. * Provided insight and problem solving in technical areas. * Proactively asks group members for their opinions and is willing to consider others' perspectives. | 😊 |

**Peer Review Contribution Form – Fellow Team Member 4**

ID of student you are reviewing: \_\_\_\_\_\_21046453\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For each category, provide some comments, and award yourself and each member of your team a rating using the scale, 😊, 😐, ☹. Remember to refer to your team agreement.

|  |  |  |
| --- | --- | --- |
| Category | Comments, Explanations etc. | Rating  😊 😐 ☹ |
| **Group Participation and Citizenship**   * Attended meetings regularly and on time, * Positive attitude, encouraged and motivated team members, * Engages and provides effective contribution in discussions at meetings or online. * Supported team decisions, helped to reach team consensus, helped resolve conflicts in the team. | * Perfect for attending meetings regularly and on time. * Have a positive attitude and encourage and motivate team members. * Participates and provides many effective contributions in online discussions. * Support team decisions, help reach team consensus, and help resolve conflicts in the team. | 😊 |
| **Time Management and Responsibility**   * Accepted fair share of work * Reliably completed work by required time. * Participates in Team Project Management, formally or informally ensuring the work stays on track, with everyone informed of progress. | * Readily accepts a fair share of work * Completes work efficiently and reliably within the allotted time * Participates in team project management to consistently ensure work stays on track and keeps everyone informed of progress | 😊 |
| **Scholarly / Professional**   * Displayed or tried to develop a wide range of skills in the service of the project, * Provided technical insights and solutions to problems. * Willing to provide/accepts constructive criticism, willing to adapt / consider other people’s perspective | * Demonstrated leadership skills and used a wide range of skills to lead group members to better accomplish their work while serving on projects. * Provided many technical insights and problem solving solutions. * Willing to provide constructive criticism to others, while also being willing to consider the ideas of others | 😊 |

**Peer Review Contribution Form – Fellow Team Member 5**

ID of student you are reviewing: \_\_\_\_\_\_2014182 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For each category, provide some comments, and award yourself and each member of your team a rating using the scale, 😊, 😐, ☹. Remember to refer to your team agreement.

|  |  |  |
| --- | --- | --- |
| Category | Comments, Explanations etc. | Rating  😊 😐 ☹ |
| **Group Participation and Citizenship**   * Attended meetings regularly and on time, * Positive attitude, encouraged and motivated team members, * Engages and provides effective contribution in discussions at meetings or online. * Supported team decisions, helped to reach team consensus, helped resolve conflicts in the team. | * Attend every meeting on time. * Possesses a positive attitude and is good at encouraging and motivating team members. * Participate enthusiastically in online discussions and provide effective contributions. * Support team decisions pretty well, helping to reach team consensus and helping to resolve conflicts within the team. | 😊 |
| **Time Management and Responsibility**   * Accepted fair share of work * Reliably completed work by required time. * Participates in Team Project Management, formally or informally ensuring the work stays on track, with everyone informed of progress. | * Accepted a fair share of work without any complaint * Completed work in a timely manner and within the allotted time * Always made sure work stayed on track and kept everyone informed of his progress | 😊 |
| **Scholarly / Professional**   * Displayed or tried to develop a wide range of skills in the service of the project, * Provided technical insights and solutions to problems. * Willing to provide/accepts constructive criticism, willing to adapt / consider other people’s perspective | * Used a wide range of skills to lead group members to better accomplish their work while serving on projects. * Provided some technical insights and problem solving solutions. * Willing to provide constructive criticism to others, while also being willing to consider the ideas of others | 😊 |

**Peer Review Contribution Form – Fellow Team Member 6**

ID of student you are reviewing: \_\_\_\_\_\_2019643\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For each category, provide some comments, and award yourself and each member of your team a rating using the scale, 😊, 😐, ☹. Remember to refer to your team agreement.

|  |  |  |
| --- | --- | --- |
| Category | Comments, Explanations etc. | Rating  😊 😐 ☹ |
| **Group Participation and Citizenship**   * Attended meetings regularly and on time, * Positive attitude, encouraged and motivated team members, * Engages and provides effective contribution in discussions at meetings or online. * Supported team decisions, helped to reach team consensus, helped resolve conflicts in the team. | * Attend meetings perfectly regularly and on time. * Good attitude to encourage and motivate team members. * Actively participate and provide effective contributions in online discussions. * Does a great job of supporting team decisions, helping to reach team consensus, and helping to resolve conflicts in the team. | 😊 |
| **Time Management and Responsibility**   * Accepted fair share of work * Reliably completed work by required time. * Participates in Team Project Management, formally or informally ensuring the work stays on track, with everyone informed of progress. | * Received a fair share of work * Completes work to perfection within the allotted time * Actively participates in team project management, consistently ensuring work stays on track and keeping everyone informed of progress | 😊 |
| **Scholarly / Professional**   * Displayed or tried to develop a wide range of skills in the service of the project, * Provided technical insights and solutions to problems. * Willing to provide/accepts constructive criticism, willing to adapt / consider other people’s perspective | * Learned the required skills with an open mind and applied them while working on projects. * Participated in discussions of technical insights and problem solving approaches that have been presented. * Accepted constructive criticism from group members with an open mind and was willing to adapt to others' perspectives | 😊 |