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| TEST PLAN – MODULAR STUDY APPLICATION | Kory Bennett  UMUC 495 6380 27 January 2020 |



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Revision History:

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| Revision Number | Date | Author | Description |
| 1 | 27 Jan 2020 | K. Bennett | Initial Draft |
| 2 | 28 Jan 2020 | B. Allton | Added Items to the test plan |
| 3 | 29 jan 2020 | C. Ward | Added Items to the test plan |
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Project Details:

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| Components | Details |
| Project Name | Modular Study Application |
| Authors | Brock Allton, Cale Ward |
| Testers |  |
| Testing Environment | Windows 10 Pro Build 1809 - 1909  Ubuntu 16.04 |
| Version | 1 |
| Description |  |

Test Cases:

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| --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Actual Results | Pass? |
| 1 | Double click on icon to open application | Application should open to the interface GUI, the top will have the course choices, a field to choose how many questions to answer, and a submit button. The bottom field will contain a field to display the questions and possible answers, radio buttons to select an answer, and a submit button. |  |  |
| 2 | Choose History from the drop-down buttons to choose from. And type in 20 for the number of questions to be asked, click submit button | The field at the bottom should display the first question from the history database to be asked. |  |  |
| 3 | Choose either A, B, C or D radio button to answer the question, click submit | The next questions should be displayed in the field to be answered. |  |  |
| 4 | Answer the requested amount of answers according to process in step 3. | The results of how many questions answered correctly should be displayed on the bottom panel, the text field should be empty, and the drop-down menu for the course to quiz on should reset to the default. |  |  |
| 5 | Select Math from the drop-down box. Select 100 questions to ask. | Error message should pop up stating that the number of questions to be asked exceeds the total number of available questions. |  |  |
| 6 | Keep Math selected, choose 20 questions to answer and click submit. | Math questions and multiple-choice answers should be displayed in text field in bottom panel. |  |  |
| 7 | Answer all 20 questions, and click submit. | Again, the results should be displayed in the bottom panel and the drop-down field at the top reset. |  |  |
| 8 | Select Geography from the drop down and 20 questions to answer | Geography questions and multiple-choice answers should display in the text field. |  |  |
| 9 | Answer all 20 questions, and click submit | The results should be displayed in the bottom panel and the drop-down box reset. |  |  |
| 10 | Select History in the drop-down box, and 20 questions to answer, and go through the questions. | History questions should display in the text field, however, the questions should be different from the first time. |  |  |
| 11 | Click on the Exit button or the x at the top right of the application | Application closes. |  |  |

Test Case 2:

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| --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Actual Results | Pass? |
| 1 | Double click on icon to open application | Application opens and the user is prompted for a subject from a drop down menu and the number of questions they would like to be tested on |  |  |
| 2 | Select a subject from the drop down menu | The menu drops down and allows a user to pick |  |  |
| 3 | Type in the “5” in the questions to be asked slot | The number is displayed in a text field for the user to see |  |  |
| 4 | Click start | The current window closes and a new window opens. The new window has a question about the subject displayed and 4 options to choose an aswer from |  |  |
| 5 | Select an answer and click submit | Only one answer is selected and after submit is selected the application brings up the next question |  |  |
| 6 | Repeat step 5, 4 more times | The same outcome as step 5 is expected until the last question is submitted. The application will close and another window will show the results |  |  |
| 7 | The user selects restart | the application closes and a new window with the menu to select a subject opens to begin the test |  |  |
| 8 | The user closes the application by the “x” in the top right corner | The application closes |  |  |
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