Criterion E

The Testing program that I wrote met most of my success criteria as defined in Criterion A.

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| --- | --- |
| Success Criteria | Results |
| Program will display a title screen | Success |
| Program will load questions | Success – program loads questions on statup for AdminCP and another time on test start, that way unsaved changes aren’t presented in the test |
| Program will display questions   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Multiple Choice Questions   |  |  | | --- | --- | | Working buttons and working answer recording | Success | | Store correct/incorrect answer data | Success – panels aren’t recreated so info isn’t lost | | | Free – response questions   |  |  | | --- | --- | | Store data from free response | Success | | Display it on test-end screen | Success, also works with Multiple Choice | | | Success |
| Program will have a timer   |  |  | | --- | --- | | Timer will count down | Success | | When the timer ends the test will display the test end screen | Success | | Success |
| Have an admin control panel option   |  |  | | --- | --- | | Modify questions | Success | | Add questions | Success | | Remove questions | Success | | View test results | Results are emailed so this feature was omitted. Sent emails on the official test email will serve as results | | View statistics on each question | Since results were not going to be stored in a DB, this could not occur - failure | | Mostly successful |
| Send info to email | Success, email is dispatched from one email to another, changeable in AdminCP |
| Be able to print results | Failure – omitted because we like saving trees |

Effectiveness

* The program is effective in that it is good for standardized testing when being monitored. It can also be set to an extended state and can be used for unmonitored testing.
* One of the problems is that it is somewhat unfriendly to the test taker. The font is unattractive and the formatting for free-response questions is ugly. It also only has two types of questions. It is also bad at telling results instantaneously because only Multiple Choice questions can be evaluated on correctness on the spot, and free response questions are left up to the examiners

Client feedback

* + I met with my client on January 27th, 2015 to demo the program
  + His/her main feedback points were
    - The program needs to be able to be exportable as a compressed JAR file. The company laptops won’t have IDEs and most likely will not run a batch file without administrator approval
    - The logos need to be changed to official company graphics
    - Adding multiple choice questions should have the ability to tab between questions
    - Free response questions need to have a multi-lined question instead of default input
    - The Admin Control Panel password should appear as dots and should not be editable inside it.

Reccomendations for further development

Minor Changes

* Make GUI more attractive
* Add more usability (going between questions using arrow keys, changing choices through tab)

Major Changes

* Add test results to a DB to draw nice graphs associated with questions
* Add drag & drop as well as multiple-select questions