• Unit tests (25 points): Include a file/directory named 'Testing' in your Git Repository. There should be details (can be in a separate file in the directory) provided by each team member about the module and the functional testing they have done. Each team member picks a module or module and lists the equivalence classes and the test cases selected to cover all equivalence classes.

System Test Scenario: (Basis, Docker app should be running and a make init && make update has been called on the makefile located in db)
Sprint 1:
A. User Story 1: As a proposed Computer Science student, I want to see the lower division course for my major
B. User Story 2: As a proposed Computer Science student, I want to see the course required in order to declare my major
Scenario:
1. back_runner.py is started; Python3 back_runner.py
2. Open up html Frontend page
    ● Page should display UI with three buttons (functional one being Computer Science)
3. Click on 'Computer Science' button with the mouse
4. User should see an column that displays lower division courses of CS
Sprint 2:
A. User Story 1: As a proposed CE or EE student, I want to see my lower division courses in order to plan for my academic future
B. User Story 2: As a proposed CE or EE student, I want to see the course required in order to declare my major
1. back_runner.py is started; Python3 back_runner.py
2. Open up html Frontend page
    ● Page should display UI with three buttons and a row of checkboxes
        ○ Computer Science, Computer Engineering, Electrical Engineering
3. Click on 'Computer Engineering' button with the mouse
4. User should see a table that displays lower division course of Computer Engineering
5. Repeat steps 3 and 4, but with Electrical Engineering
6. Click the checkbox 'List Required Courses for Classes' with the mouse
    ● User should verify that the checkbox is clicked
7. Click on 'Computer Engineering' button with the mouse
8. User should see a table that lists the required course for said major
9. Repeat steps 6 - 8 for Electrical Engineering
Sprint 3:
A. User Story 1: As a CE/EE/CS student, I want to see the required upper division courses
B. User Story 2: As a CE/EE/CS student, I want to see if my lower division courses satisfy a GE requirement.")
1. back_runner.py is started; Python3 back_runner.py
2. Open up html Frontend page
    ● Page should display UI with three buttons and a row of checkboxes

- - Computer Science, Computer Engineering, Electrical Engineering

3. Click the checkboxes 'List Required Courses for Classes' and 'Low/Upper Division' with the mouse
   - User should verify that the checkbox is clicked
4. Click on 'Electrical Engineering' button with mouse
5. User should see a table that displays upper division course of Computer Engineering that are required
6. Repeat steps 3-5 for the remaining buttons
7. Uncheck the checkboxes listed by step 3, and click the checkbox 'Check Qualification'
   - User should verify that the checkboxes listed are active for 'Check Qualification' and other checkboxes are off
8. Click on 'Computer Science' button with the mouse
9. User should see a table that displays lower division courses with a GE tag next to it

Extra Stories Completed:
A. User Story 1: As a proposed CE/CS/EE student, I want access to the pdf curriculum chart for my major so I can plan what classes to take
B. User Story 2: As a proposed CE/CS/EE student, I want to see the description of a class course to see whether I'm interested in taking that class in the future
1. back_runner.py is started; Python3 back_runner.py
2. Open up html Frontend page
   - Page should display UI with three buttons and a row of checkboxes
     - Computer Science, Computer Engineering, Electrical Engineering
3. Click the checkbox 'PDF' with the mouse
   - User should verify that the checkbox is clicked
4. Click on 'Electrical Engineering' button with mouse
5. User should be redirected to a pdf viewed on their browser
6. Repeat steps 2-4, but with the remaining buttons
7. Open up html Frontend page
   - Page should display UI with three buttons and a row of checkboxes
     - Computer Science, Computer Engineering, Electrical Engineering
8. Click the checkbox 'List_all' with the mouse
   - User should verify that the checkbox is active
9. Click on 'Computer Science' button with mouse
10. User should see a table with all courses for that major
11. Hover the mouse over a class course
12. User should verify that a popup panel containing the course description is there
13. Repeat steps 7-12, but with the remaining majors