Test Script

Test Instructions	Expected Results
test_root_direct_to_basic_view	
1.) Enter main website url myAdvise.herokuapp.com	URL should retrieve the main page view.
test_root_redirect_to_login_view	
1.) Enter the main website URL.	Main Page should load with a redirect code and the login view should be retrieved.
test_basic_view_access_after_login	
1.) Enter the main website URL.	The user should be redirected to the login page
2.) Login as an existing user.	The user should be redirected to the main page.
3.) Exit the page	
4.) Enter the main website URL.	The user should be directed directly to the main page.
test_generate_schedule_button_basic_view	
1.) Navigate to the main website page.	The user should be redirected to login page
2.) Login to a user account with profile data.	The user should be redirected to the main page
3.) Click on the generate schedule icon	The user should be directed to the schedule
test_profile_button_basic_view	
1.) Navigate to the main website page.	The user should be redirected to login page
2.) Login to a user account with profile data.	The user should be redirected to the main page
3.) Click on the profile icon on the main page.	The user should be redirected to their profile page.
4.) Check that the information displayed is the information of the logged in user.	
test_view_progress_button_basic_view	
1.) Navigate to the main website page.	The user should be redirected to login page
2.) Login to a user account with profile data.	The user should be redirected to the main page
3.) Click on the view academic progress button on the main page.	The user should be redirected to their progress page.
4.) Check that the information displayed is the	

information of the logged in user.

test_user_login	
1.) Navigate to the main page	The user should be redirected to the login page
2.) Enter a valid user name and password	
3.) Click the login button	User should be logged in and redirected to the main page.
4.) Navigate to the profile page	The profile displayed should match the user credentials entered.
test_invalid_user_login_credentials	
1.) Navigate to the main page	The user should be redirected to the login page
2.) Enter an invalid user name and a proper password	
3.) Click the login button	User should not be logged in and the message "Your username and password didn't match. Please try again."
4.) Enter a valid username and an invalid password	
5.) Click the login button	User should not be logged in and the message "Your username and password didn't match. Please try again."
test_login_sanitation	
1.) Navigate to the main page	The user should be redirected to the login page
2.) Enter an invalid symbols into the username and password areas of the login screen. I.E @, #, leading and trailing spaces, sql commands, etc.	
3.) Click the login button	The entered data should have no effect on the database.
test_logout	
1.) Navigate to the main page	The user should be redirected to the login page
2.) Enter a valid user name and password	
3.) Click the login button	User should be logged in and redirected to the main page.
4.) Click the logout button in the upper right hand corner.	The user should be logged out and redirected to the login screen.

test_user_registration	
1.) Navigate to the main page	The user should be redirected to the login page
2.) On the login page, click the register button.	The user should be redirected to the user creation page.
3.) Enter a valid username	
4.) Enter a valid email address.	
5.) Enter a valid password.	
6.) Choose a major from the dropdown	
7.) Click Register Now	The user should be created and logged in and directed to the main page.
8.) Navigate to the profile page	The user information entered should be displayed appropriately minus the password.
9.) Logout	
10.) Attempt to login with the newly created user	The user should be logged in.
test_user_registration_sanitation	
1.) Navigate to the main page	The user should be redirected to the login page
2.) On the login page, click the register button.	The user should be redirected to the user creation page.
3.) Enter invalid information into the username field. I.E. usernames leading in spaces, sql commands, etc.	
4.) Enter an invalid email address. I.E. emails leading in spaces, sql commands, etc	
5.) Enter an invalid password. I.E. a password that is too short, a password with leading spaces, a password with sql commands in it.	
6.) Click Register Now	The user should be registered as per usual.
8.) Navigate to the profile page	The user information entered should be displayed appropriately minus the password. Sql commands should not have changed any Database data. Leading or trailing spaces should be removed.
9.) Logout	
10.) Attempt to login with the newly created user without offending symbols if there are any. IE. Without leading and trailing spaces	The user should be logged in.

test_for_empty_fields_create	
1.) Navigate to the main page	The user should be redirected to the login page
2.) On the login page, click the register button.	The user should be redirected to the user creation page.
3.) Leave the Username field empty and fill in each of the other fields	
4.) Click Register Now	The user should not be able to continue with registration until the username field is filled
5.) Repeat steps 3 and 4 for each of the fields on the page.	
test_profile_view	
1.) Navigate to the main page	The user should be redirected to the login page
2.) Enter a valid user name and password of a user	
3.) Click the login button	User should be logged in and redirected to the main page.
4.) Navigate to the progress entry page	
5.) Choose classes for the course history and Save changes.	
6.) Navigate to the main page and click on the generate schedule button	The user should be redirected to the main page and the schedule should be generated
7.) Navigate to the profile page and confirm the data on the page	The user's proper major, schedule, and degree progress should be shown. The page should render properly with the edit info and change major buttons.
test_redirect_when_not_logged_in_profile	
1.) Navigate to the profile page directly using the URL http://myadvise.herokuapp.com/profile/ with no user logged in.	The user should be redirected to the login page
test_progress_bar_correct	
1.) Navigate to the main page	The user should be redirected to the login page
2.) Enter a valid user name and password of a user	
3.) Click the login button	User should be logged in and redirected to the main page.
4.) Navigate to the progress entry page	
5.) Choose classes for the course history and Save changes.	

6.) Navigate to the main page and click on the generate schedule button	The user should be redirected to the main page and the schedule should be generated
7.) Navigate to the profile page and confirm the progress bar shows the appropriate percentage on the page.	The progress bar should display the proper percentage. If the 1st class has been chosen in the bion-engineering major progress page 1.8 percent should be displayed.
test_no_schedule	
1.) Navigate to the main page	The user should be redirected to the login page
2.) On the login page, click the register button.	The user should be redirected to the user creation page.
3.) Enter a valid username	
4.) Enter a valid email address.	
5.) Enter a valid password.	
6.) Choose a major from the dropdown	
7.) Click Register Now	The user should be created and logged in and directed to the main page.
8.) Navigate to the profile page.	A generic calendar icon should be displayed with the message "You have no schedule, please generate one from the homepage."
test_profile_edit_info_modal	
1.) Login to an account	
2.) Navigate to the profile page.	
3.) Click on the edit info box	A modal should be displayed with the current user preferences.
4.) Change the user preferences in this modal	
5.) Click Accept Changes	The modal should exit and the info should be saved.
6.) Click the scheduler button to generate a new schedule and then navigate back to the profile	The profile should reflect the changes made to the account. IE. The schedule should reflect the changed credit hours preference and the time of day preference.
test_profile_change_major_modal	
1.) Login to an account	
2.) Navigate to the profile page.	
3.) Click on the change major box	A modal should be displayed with the current user major in a dropdown box.
4.) Change the major in the dropdown box.	

5.) Click Accept Changes	The modal should exit and the info should be saved.
6.) Click the scheduler button to generate a new schedule and then navigate back to the profile	The profile should reflect the changes made to the account. IE. The schedule should reflect changed major, the user's major should be displayed properly.

test_schedule_generate

1.) Login as valid user

2.) Navigate to the progress page, choose a set of classes, and save changes.. In this case no classes were chosen as completed so that the first schedule could be generated.

3.) Click on the scheduler button in the header.	A schedule should be generated.
4.) Navigate to the profile page	The generated schedule should be displayed with no overlapping courses, with credit hours that are within a full-time course load and at 1 above the users preference or lower (default user credit hours is 15). The schedule should reflect any preferences for time of day as well.

test_progress_page

1.) Navigate to the main page

2.) Login as a valid user

3.) Navigate to the progress page	Progress page should display properly
4.) Click on some classes to check them as taken	Classes check boxes should be checked
5.) Click on some of the previously click classes again	Reclicked classes should be unchecked.
6.) Click the Update Classes button	The classes should be saved
7.) Navigate to the profile page	The progress bar should reflect the changes to the classes taken from the progress page.
8.) Click Scheduler in the header	The newly generated schedule should reflect the newly chosen classes.

RUN AUTOMATED TESTS

1.) Enter the command "./manage.py collectstatic" into the terminal

2.) Enter the command "python manage.py test" into the terminal. Results will be displayed in the terminal.