

Unit Testing

- Dashboard
 - Cards | Spencer Loi
 - Test: Click on all cards, ensure they always lead to the correct pages. Adjust window size and move window between differently sized monitors, ensure card proportions and functionality remains consistent.
 - Test: Add courses in next quarter planner and ensure the “Courses Taken” section in the leftmost card reflects the courses selected. Try adding different amounts of classes, make sure the card adjusts itself to fit the courses added. Go back to next quarter planner and again change the courses, go back to ensure the changes are again reflected in the card. Go back again and now select no classes in the cart, and ensure this change is once again reflected in the card.
 - Test: Change account information and ensure the “Info” section in the leftmost card reflects the correct information. Go back to the account settings page and change the information again, and ensure the changes are reflected in the card correctly. Finally go back again and unassign the account information and the card should reflect this again.
 - Welcome message | Spencer Loi
 - Test: Change the first and last name in the account settings, go back and the welcome message should reflect this change.
 - Appearance | Cheng-Ruei Chiu
 - Test: When the user is at this page, it should show the background color properly
 - Test: When user is at this page, the cards should lay out in the middle of the page
- Account Settings
 - Academic Status | Ian Smith
 - Test: Create a new account. All options in this section should be undeclared.
 - Test: Change one or more options and press “SAVE”. The changes should be reflected on the dashboard and when reloading the page.
 - Current Classes | Ian Smith
 - Test: Click “ADD” without selecting a class. The current class list should not change.
 - Test: Click “ADD” when selecting a class that is already on the list. The list should not change.
 - Test: Click “ADD” when selecting a class that is not already on the list. The course should be added to the list.

- Test: Click the delete button on a class that is in the list. The class should be removed from the list.
 - Test: Click the “SAVE” button. The list should be saved.
 - Update Profile | Ian Smith
 - Change one of the fields and click “SAVE”. The changes should be reflected on the dashboard and when reloading the page.
 - Update Password | Ian Smith
 - Change one of the fields and click “SAVE”. The changes should be reflected on the dashboard and when reloading the page.
- Next Quarter Planner
 - Course Drawer (cart) | Christian Andrade
 - Test: Click on next quarter planner, add 4 random classes. Click on “CART” once the drawer opens, close it by clicking outside the white drawer. Click on “CART” again, classes originally picked should still be there.
 - Test: Click on next quarter planner, add 4 random classes. Click on “CART” once the drawer opens, close it by clicking outside the white drawer. Click on the same 4 classes you selected before, click on “CART” there should only be 4 classes, not 8.
 - Test: Create a new account, select done (don’t add any class). Click on next quarter planner. There should be 180 credits until graduation, unspecified major, year and status.
 - Test: create an account add CSE 13S, click on done, click on next quarter planner. There should be 173 credits until graduation. Click on a class that has 5 credits, click on “CART”, click on “SUBMIT”. Click on next quarter planner. There should be 168 credits until graduation.
 - Test: Create an account, add any amount of classes, click on next quarter planner, major, year and status should be unspecified. Click on “HOME” click on account settings, select “Computer Science (BS)” from the major box. Select “Freshman” from the seniority box and select “2020-2021” from the catalog box. Click on “UPDATE STATUS”. Click on “HOME” click on next quarter planner now Major should be “Computer Science (BS)”, Status should be “Freshman” and year should be “2020-2021”.
 - Cards
 - Test: Classes should be color-coded. If a user hasn’t taken CSE 101, then only lower division up to CSE 101 should be recommended. Create an account and click on done (zero classes are added). Click on next quarter planner, recommended courses should all be lower division courses below CSE 101. CSE 101 should not be recommended as the requirements for that class haven’t been taken yet.

- Test: Get rid of Capstone or DC requirement. Per the CS catalog 2020-21 only one of DC and one of Capstone courses are required. Create an account select “I HAVE TAKEN ALL LOWER DIVISION COURSES” and also add CSE 101 from the search box. Click on done. Click on Next Quarter Planner, upper division courses will be recommended, click on one capstone course and one DC course (based on the color they have). Click add to cart, click on cart, click on submit, click on next quarter planner again, now there should not be any class color-coded as capstone or DC.
 - Layout | Spencer Loi
 - Test: Resize the window of the page, move the window between differently sized monitors. The proportions should stay consistent.
 - Test: Resize the window of the page, move the window between differently sized monitors. The link to the card should remain the same, and retain functionality and appearance.
- Navbar
 - Tabs visible on navbar | Christian Andrade
 - Test: If there is a user logged in, then the tabs “How It Works”, “Home”, “Course Entry”, “Log Out” should be visible.
 - Test: If there is a user logged in, click on the “Log Out” tab in the navbar. Current page should be the Sign In page. Tabs visible in the Navbar should be “How It Works”, “Sign Up”, “Sign In”.
 - How it works page | Cheng-Ruei Chiu
 - Test: When the user clicks “How it works” , it should go to the how it works page.
 - Test: At the how it works page, it should display the instruction properly.
- Graduate Status
 - List of every requirements | Yimin Xu
 - Test: If there is a user logged in, when the user comes into the website, the icon on the right of every list shows whether this requirement such as capstone is satisfied or not based on the classes he/she has taken.
 - Test: If there is a user logged in, when the user clicks the list, the list will be collapsed or expanded. The expanded list should show all the classes in the requirement and the icon on the right of every class should show whether the user has taken the class or not.
 - Status and major | Yimin Xu
 - Test: when jumping into the website, should show the user's major and seniority in the center.

- Course Entry
 - “DONE” button | Christian Andrade
 - Test: Add classes from the search box, Click on “DONE” button, should now be redirected to home page
 - Test: Click the Course Entry tab, click on “DONE” without adding any classes, should still be redirected to the home page
 - Test: Click the Course Entry tab, add 5 classes, click on the trash icon next to each class, there should not be any classes left.
 - Test: Click the Course Entry tab, add a class from the search box. Try to add the same class by clicking 5 times the same class on the search box, there should only be one class.
 - Delete icon | Yimin Xu
 - Test: When the user clicks the cross on the right of the class in the search box, the class name will be deleted from the search box
 - Search box | Yimin Xu
 - Test: Click on the search box, the box will assist the user with a set of classes showing eight classes.
 - Test: When the user click the class shown user the box, the class name will be shown in the search box and be added under Classes Taken
 - Test: When the user clicks another class when there’s a class name inside the search box, the new clicked class will replace the previous class name and be added to Classes Taken.
 - “I HAVE TAKEN ALL REQUIREMENTS” button | Christian Andrade
 - Test: Click on the Course Entry tab, click on “I HAVE TAKEN ALL REQUIREMENTS” There should be 9 classes added. Click on “DONE.” Now should be redirected to the home page
 - Test: Click on the “I HAVE TAKEN ALL REQUIREMENTS” button multiple times, there still should only be 9 classes
 - Test: Click on the “I HAVE TAKEN ALL REQUIREMENTS” button, delete all the classes by clicking on the trash icon next to the class name. Then click on “I HAVE TAKEN ALL REQUIREMENTS” and now there should be 9 classes
 - Test: Click on the “I HAVE TAKEN ALL REQUIREMENTS” button, delete 3 classes, then click again on “I HAVE TAKEN ALL REQUIREMENTS” and there should be 9 classes. The classes you deleted were added back.