BusDue Test Plan

CS408
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Backlog #1
A. Login 001, Login with right Purdue account, Severity 1
B. Enter the right Purdue account name and password in the homepage, then click 'log in'
C. The user should login into the application.

A. Login 002, Login with wrong account information, Severity 1
B. Enter nothing and click 'log in' directly.
C. The user should not login into the application and some instruction should appear.

A. Login 003, Login without enter account information, Severity 1
B. Enter the wrong Purdue account name and password in the homepage, then click 'log in'
C. The user should not login into the application and some instruction should appear.

A. Logout 001, Logout out the account, Severity 2
B. Click 'Logout' button in the main page
C. The user should logout out of the application.

Backlog #2
A. Shortest Route 001, compute the shortest route, Severity 1
B. Click 'Shortest routes' button
C. Shortest routes from all classes should appear

A. Shortest Route 002, compute the shortest route for nothing, Severity 1
B. Login in using an account with zero courses registered, click 'Shortest routes' button
C. No Shortest routes should appear

A. Shortest Route 003, compute the shortest route for many classes, Severity 1
B. Login in using an account with more than 4 courses registered, click 'Shortest routes' button
C. All shortest routes should appear properly.

Backlog #3

A. Set Preference 001, Set bus as preference, Severity 2

B. Click 'route' button, then set 'bus' as preference

C. Only the shortest route designed for bus should appear.

A. Set Preference 002, Set drive as preference, Severity 2

B.Click 'route' button, then set 'drive' as preference

C. Only the shortest route designed for drive should appear.

A. Set Preference 003, Set walk as preference, Severity 2

B.Click 'route' button, then set 'walk' as preference

C. Only the shortest route designed for walk should appear.

A. Set Preference 004, Switch preference, Severity 2

B.Click 'route' button, then switch between different preferences.

C. The right shortest path should appear.

Backlog #4

A. Post attendance, 001, Post attendance in class, Severity 2

B. The user get to the right location, click on 'Yes' on the prompt. Then go to the dashboard.

C. All data statistics should change as the attendance is recorded.

A. Post attendance, 002, Post attendance out of class, Severity 2

B. The user get to the wrong location, click on 'Yes' on the prompt. Then go to the dashboard.

C. All data statistics should not change as the attendance is not recorded.

A. Post attendance, 003, No attendance in class, Severity 2

B. The user get to the wrong location, click on 'No' on the prompt. Then go to the dashboard.

C. All data statistics should not change as the attendance is not recorded.

A. Post attendance, 004, No attendance out of class, Severity 2

B. The user get to the wrong location, click on 'No' on the prompt. Then go to the dashboard.

C. All data statistics should not change as the attendance is not recorded.

Backlog #5

A. Check Statistics, 001, Statistics for zero attendance, Severity 2

B. Login using an account with zero attendance, then go to the dashboard.

C. No data should be listed.

A. Check Statistics, 002, Statistics for 5 attendance, Severity 2

B. Login using an account with 5 attendance, then go to dashboard.
C. Statistics should be displayed properly.

A. Check Statistics, 003, Statistics for a lot of attendance, Severity 2
B. Login using an account with more than 10 attendance, then go to dashboard.
C. Statistics should be displayed properly.

Backlog #6
A. AdminAttendance, 001, course attendance statistic for zero attendance, Severity 2
B. Login as administrator and check course for attendance statistic, then open and check dashboard.
C. Should show statistic with zero attendance.

A. AdminAttendance, 002, course attendance statistic for 5 attendance, Severity 2
B. Login as administrator and check course for attendance statistic, then open and check dashboard.
C. Should show correct attendance statistic with no problem.

A. AdminAttendance, 003, course attendance statistic for lots of attendance, Severity 2
B. Login as administrator and check course for attendance statistic, then open and check dashboard.
C. Should show correct attendance statistic with no problem.

A. AdminAttendance, 004, course attendance statistic for partial attendance, Severity 2
B. Login as administrator and check course for attendance statistic, then open and check dashboard.
C. Should show correct attendance statistic (should not count student attendance who just show up at course and leave or provide useful information).

A. AdminAttendance, 005, course attendance statistic with different account, Severity 2
B. Login as administrator and check course for attendance statistic, open and check dashboard, then logout and login with another administrator account and do the same operation.
C. Should show correct attendance statistic with each administrator with each account.

Backlog #7
A.Route 001, check route before class when at another class, Severity 1
B. Open App before class end. Open the map
C. The map will show the shortest route to the next class from this class

A.Route 002, check route before class when not in class, Severity 2

B. Open App before class begin. Open the map

C. The map will show the shortest route from the current location to the next class

A. Route 003, check route before class ends when no class is after, Severity 3

B. Open App before class ends. Open the map

C. The map will not show route and tell you that there is no following class

A. Route 004, check route when there is no class before or after, Severity 3

B. Open App when there is no class before or after. Open the map

C. The map will not show route and tell you that there is no following class

Backlog #8

A.Add/Drop 001, Add Class, Severity 2

B. Login to myPurdue. Add a class. Open application and Reload schedule

C. App will update with the newly added class

A.Add/Drop 002, Drop Class, Severity 2

B. Login to myPurdue. Drop a class. Open application and Reload schedule

C. App will update with the newly dropped class

A.Add/Drop 003, Add then Drop Class, Severity 2

B. Login to myPurdue. Add a class and then drop it. Open application and Reload schedule

C. The schedule will not be updated since there is no change in class

A.Add/Drop 004, Add Multiple Classes, Severity 2

B. Login to myPurdue. Add multiple classes. Open application and Reload schedule

C. The schedule will be updated with the newly added classes

Backlog #9

A.UserAnalytic 001, view analytic webpage, Severity 1.

B. Open the analytic webpage.

C. The page should be loaded.

A.UserAnalytic 002, user seach bar, Severity 1.

B. Open the analytic webpage, and go to user subpage.

C. The search bar should appear.

A.UserAnalytic 003, view valid user specific attendance analytics, Severity 2.

B. Search an existing user in the search bar.

C. Statics should appear.

A.UserAnalytic 004, view invalid user specific attendance analytics, Severity 2.

B. Search an non-existing user in the search bar.

C. No statics or warning should appear.

Backlog #10

A.Top7Classes 001, view top 7 classes, Severity 1.

B. Open the analytic webpage.

C. The page should be loaded and we can see top 7 classes.

A.Top7Classes 002, change order, Severity 2.

B. Adjust sample users' attendance and change the order of the top list.

C. The order of top 7 list should change.