THE ANGRY NERDS USE CASE DIAGRAM

Use Case Name: Edit Souvenirs

Summary: Edit Souvenirs allows user to add, delete and edit souvenirs from all of the College campuses.

Actor: Admin

Precondition: A login screen has been created which with the correct admin login information will open an admin screen, this screen will display 2 buttons, one for edit souvenirs and another for Add/Delete colleges

Description:

- Admin clicks on Edit Souvenirs button
- If the admin clicks on a button to add souvenirs, another window will open allowing the admin to add new souvenir information into a database.
- If the admin clicks on a button to delete souvenirs, another window will open allowing the admin to delete souvenir information from the database
- If the admin clicks on a button to edit souvenirs, another window will open allowing the admin to type in any of the given souvenirs in the database and will display the fields that can potentially be edited

Alternatives:

- In the delete souvenir function, if the admin types in a souvenir that does not exist, an error message will be displayed.
- In the edit souvenir function, if the admin types in a souvenir that does not exist, an error message will be displayed.
- If the admin clicks out of the window for either the add, edit or delete function, the user will be returned to the edit souvenirs page.
- If the admin clicks out of the souvenirs page window, the user will be returned to the admin page.

Post condition: All information will save to the database and will remain unchanged until data is further edited.

Use Case Name: Add/Delete Colleges

Summary: Add/Delete Colleges allows user to add and delete colleges from the college database.

Actor: Admin

Precondition: A login screen has been created which with the correct admin login information will open an admin screen, this screen will display 2 buttons, one for edit souvenirs and another for Add/Delete colleges

Description:

- Admin clicks on Add/Delete Colleges button
- If the admin clicks on a button to add colleges, another window will open allowing the admin to read in a list of colleges into the database.
- If the admin clicks on a button to delete colleges, another window will open allowing the admin to delete college information from the database

Alternatives:

- In the delete colleges function, if the admin types in a college name that does not exist, an error message will be displayed.
- In the add colleges function, if the admin tries to read in a file that does not exist, an error message will be displayed.
- If the admin clicks out of the window for either the add, or delete function, the user will be returned to the Add/Delete Colleges page.
- If the admin clicks out of the Add/Delete Colleges page window, the user will be returned to the admin page.

Post condition: All information will save to the database and will remain unchanged until data is further added or deleted

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Use Case Name: View Colleges

Summary: View colleges allows a student to view all of the colleges in the database with their respective distances from Saddleback College

Actor: Student

Precondition: A main window must be created with a button connecting to the display colleges window. A button to load a table with all of the different college Information has been created.

Description:

- A student is able to open the Display Colleges window
- If the students clicks on a button in this window labeled "display colleges" a table will appear displaying all of the colleges with their corresponding distances from Saddleback College.

Alternatives:

- If the student clicks outside of the Display Colleges window, the user will be returned to the main window.

Post condition: Student will return to the main screen after viewing all of the colleges with their distances from Saddleback College.

Use Case Name: Create custom trip

Summary: In create custom trips, a student is able to select their starting college in their college campus tour as well as all other colleges that they wish to visit while they are on tour. This tour will be in order from the nearest college to the furthest college with respect to the starting college.

Actor: Student

Precondition:

- A create trip button has been created in the main menu.
- 3 buttons on create trip will be displayed, 1 where the student can start from UCI, one from ASU and one that is a custom trip.

Description:

- If a student selects a button labeled "Create custom trip", the student will be able to select their starting college and any other college that they wish to visit on tour
- The trip will be in order from the closest distance from the starting college to the furthest distance from the starting college.
- The student will be able to make purchases at each of the colleges that are displayed
- After the student selects all of the purchases that they would like to make, the total from each college will be displayed, as well as their total distance and total amount spent.

Alternatives:

- In the create custom trip window, if at any point during the creation of the trip the student clicks outside of the window the student will be returned to the create trip main window.

Post condition:

- Student will return to main screen after completion of the custom trip.

Summary: In create trips from UCI, a student is able to select how many colleges they wish to visit while on tour. The student will be able to make purchases on this trip. At the end of the trip the student will be able to see their purchases from each college, as well as a total distance and the total amount of money that they've spent.

Actor: Student

Precondition:

- A create trip button has been created in the main menu.
- 3 buttons on create trip will be displayed, 1 where the student can start from UCI, one from ASU and one that is a custom trip.

Description:

- If a student selects a button labeled "Create trip from UCI", the student will be able to select the total number of colleges that they would like to visit.
- The trip will be in order from the closest distance from UCI to the next closest and the next closest and so on until they have reached the college with the furthest distance from UCI.
- The student will be able to make purchases at each of the colleges that are displayed

- After the student selects all of the purchases that they would like to make, the total from each college will be displayed, as well as their total distance and total amount spent.

Alternatives:

- In the create trip from UCI window, if at any point during the creation of the trip the student clicks outside of the window the student will be returned to the create trip main window.

Post condition: Student will return to main screen after completion of the trip.

Use Case Name: Create trip from ASU

Summary: In create trips from ASU, a student is able to select how many colleges they wish to visit while on tour. The student will be able to make purchases on this trip. At the end of the trip the student will be able to see their purchases from each college, as well as a total distance and the total amount of money that they've spent.

Actor: Student

Precondition:

- A create trip button has been created in the main menu.
- 3 buttons on create trip will be displayed, 1 where the student can start from UCI, one from ASU and one that is a custom trip.

Description:

- If a student selects a button labeled "Create trip from ASU", the student will be able to select the total number of colleges that they would like to visit.
- The trip will be in order from the closest distance from ASU to the next closest and the next closest and so on until they have reached the college with the furthest distance from ASU.
- The student will be able to make purchases at each of the colleges that are displayed
- After the student selects all of the purchases that they would like to make, the total from each college will be displayed, as well as their total distance and total amount spent.

Alternatives:

- In the create trip from ASU window, if at any point during the creation of the trip the student clicks outside of the window the student will be returned to the create trip main window.

Post condition: Student will return to main screen after completion of the trip.