Ryan Solanki

Quan Nguyen

Alan Vuong

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This PDF contains the User Stories, Coding Standards, and Team Rules

User Stories

1. **As a student, I want to be able to view the college campuses and their distance from Saddleback College.** This base story has a priority of 1 point(1 hour), and has a priority of sprint 1. In order to complete this task, the assignee must be able to output all of the college's distances from Saddleback College. The output should be thoroughly tested to make sure it corresponds to the correct information and adheres to the proper format. The assumption is that the GUI will already be complete and the database will already be created. This story can be marked as “done” when the assignee can output the names of the college campuses and their distance from Saddleback College and the user is able to view this information. Assignee is Ryan Solanki.

2. **As an administrator, I want to be able to populate the database with college campuses and their souvenirs.** This base story has a priority of 2 points(2 hour), and has a priority of sprint 1. In order to complete this task, the assignee must create a container to store the names of each college campus and their respective souvenirs and populate the database. The code for the container should be thoroughly tested to make sure it corresponds to the correct

information. The assumption is that the GUI will already be complete. This story can be marked as “done” when all the data has been properly inserted into a data container that is easily accessible. Assignee is Alan Vuang.

3. **As a student, I want to be able to view the user interface where I can interact with the program so that I can view the college information.** This story has a priority of 5 points(5 hours), and has a priority of sprint 1. In order to complete this task, the assignee must create a GUI where the user will eventually be able to view the names of each college campus, the distances of each campus, and the souvenirs and their prices. The GUI should be thoroughly tested to make sure it adheres to the proper format and is free of any bugs that could inconvenience the user. The assumption for this story is that the database is loaded so that the assignee can access it and output the information to the GUI for the user to view. This story can be marked as “done” when the user is able to access a basic user interface that is easy to use, where they can control the program and view the names of all colleges and corresponding information. Assignees are Ryan Solanki and Alan Vuong.

4. **As a student, I want to be able to view the traditional souvenirs and corresponding prices from each college campus.** This story has a priority of 2 points(2 hours), and has a priority of sprint 1. To complete this task, the assignee must create containers to store souvenir names and prices that correspond to each college and populate the database. The data must also be output in the

GUI for the student to view in the interface under the correct college campuses. The assumptions for this story are the GUI is complete and the database is loaded. This story can be marked as “done” when the assignee is able to output the souvenirs and corresponding prices from each college and the user is able to view this information on the GUI. Assignee is Reed Wilson.

5. **As a student, I can visit the initial 11 college campuses starting at Saddleback. Also as a student I can start at UCI and then visit the rest of the schools in the most efficient way possible or the least amount of distance.** This story has a priority of 5 points(5 hours), and has a priority of sprint 2. In order to complete this task, the assignee must give the student a list of schools to which they can travel to. The assignee must connect these buttons to the corresponding element in the container of school names and present a string saying which school they are at. They must also provide a “Total Distance Traveled” which updates as the student travels from school to school. The assumptions for this story are that the GUI is complete, the database is loaded, and the efficiency algorithm is complete. This story can be marked as “done” when the user is able to travel from Saddleback to any of the colleges and can travel from UCI to all of the other campuses in the most efficient order or the least amount of distance. All of this information should be output to the GUI for the user to view. Assignees are Reed Wilson and Alan Vuong.

6. **As a student, I want to be able to plan the shortest possible trip from Arizona State University (ASU) to a *x* number of college campuses that I want to visit and can view the total distance that will be traveled throughout my trip.** This story has a priority of 5 points(5 hours) and has a priority of sprint 2. In order to complete this task, the assignee must offer the student a menu of schools for the student to select from and a button for the student to press once they have finished picking the schools. They must also display the total distance that will be traveled throughout the trip. The assumptions for this story are that the GUI is complete, the database is loaded, and the efficiency algorithm is complete. This story can be marked as "done" when the user is able to view on the GUI the travel distance from Arizona State University to the last school that they selected on the list. Assignees are Reed Wilson and Alan Vuong.

7. **As a student I can plan a custom trip by choosing the college they want to start at and then choosing all of the other colleges they would like to visit.** This story has a priority of 4 points(4 hours), and has a priority of sprint 2. In order to complete this task, the assignee must provide the student with an option to plan a custom trip, then an option of the starting school. After a starting school is chosen the student will be able to choose all of the schools they would like to visit in the order that they would like to visit them. Also the student will be able to purchase multiple traditional souvenirs while they are at each school. The assumptions for this story are that the GUI is complete and the database is loaded. This story can be marked as "done" when the student is able to create a

custom trip and be able to purchase souvenirs at each school and be able to see how much distance they have traveled along the way using the GUI. Assignee is Quan Nguyen.

8. **As a college student, I want to be able to purchase multiple traditional souvenirs from multiple campuses.** This story has a priority of 3 points(3 hours), and has a priority of sprint 3. In order to complete this task, the assignee must create a container to store every souvenir the student purchases, the price spent at each campus, and the total amount spent on the trip. These containers should be thoroughly tested with the GUI to make sure it is getting the correct purchase history and prices from the user and is free of any bugs. The assumptions for this task are that the GUI is completed and the database is loaded with the correct information(prices and souvenirs for each campus). This story can be marked as “done” when the user is able to buy multiple souvenirs from different campuses and see how much they spent at each campus and their total price. Assignees are Ryan Solanki and Reed Wilson.

9. **As an administrator, I want to be able to add new college campuses as well as add or change the traditional souvenirs and corresponding prices.** This story has a priority of 5 points(5 hours) and has a priority of sprint 3. In order to complete this task, the assignee must populate data from an input file and create administrator access that requires a password, giving them the capability to add new colleges and add or change traditional souvenirs and their corresponding

prices. Additionally, assignee must create an option in the GUI to log in as administrator in order to give the user access to the role. The assumptions for this story are the GUI is complete and the database is loaded. This story can be marked as “done” when administrators are able to login by password and add new colleges as well as add or change traditional souvenirs and corresponding prices.

10. **As a student, I want to be able to visit all 13 college campuses starting from UCI and purchase traditional souvenirs from each school.** I should be able to view the total distance that I would travel throughout the entire trip. This story has a priority of 4 points(4 hours) and has a priority of sprint 3. In order to complete this task, the assignee must give the student an option to select all 13 colleges at once and then display the total travel distance to the student. The assumptions for this story are that the GUI is complete, the database is populated, and the ability for the student to purchase souvenirs is already completed. This story can be marked “done” when the user is able to see the total distance that will be traveled throughout the trip and is able to purchase souvenirs from each school. Assignees are Alan Vuong.

Additional Information

- The first 3 user stories will be assigned for the first sprint, the next 4 stories will be assigned in the second sprint, and the last 3 stories will be assigned to the final sprint.

- Team rules are as follows:
    1. Respect your teammates
    2. Team meeting every Monday, Wednesday, and Saturday
    3. Communicate effectively with teammates
    4. Inform teammates of any issues/problems that you need help with
    5. Complete tasks on time(inform team if task is taking longer than expected)
- Team coding standards:
    1. Make code readable(spaces between logical blocks of code)
    2. Proper indentations of code
    3. Comment logical blocks of code
    4. Have meaningful file and variable names
    5. Keep code clean and organized so everyone in the team is aware of where to find things