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1. Agile Stories – Project 1
2. As a student, I want to get a list of all fast food restaurants along with their distances from saddleback so that I can see all my options to choose which ones to go to.
3. Story point: 1
4. Definition of done –The list of restaurants is outputted correctly with the corresponding distance.
5. Assumptions - all of the restaurants and corresponding distances are stored in the program.
6. Tasks and Tests - Set up widget to display the list
7. Assignee - Teddy
8. Priority - 2
9. As a student, I want to be able to select a starting restaurant along with a number, go to that restaurant and visit the next closest restaurant based on the number I input so that I can visit all the restaurants in the shortest distance
10. Story point: 8
11. Definition of done – student can select the desired restaurant and input a number. Directions will be given on which restaurant to go to in what order.
12. Assumption - all of the restaurants and corresponding distances are stored in the program.
    1. user input is error checked
13. Tasks and Tests - create algorithm to calculate next closest restaurant
    1. test - program correctly finds and outputs the next closest restaurant
14. Assignee - John
15. Priority - 1
16. As a student I want to be able to see the total distance traveled for any trip I take so that I can know how far I traveled for each trip.
17. Story point: 1
18. Definition of done – The correct total of miles traveled is calculated and outputted after every trip
19. Assumption - each distance from restaurant to restaurant is stored and added together
20. Tasks and Tests - correct distance is outputted with corresponding trip
21. Assignee - Teddy and Ashly
22. Priority - 8
23. As a student, I want to be able to purchase menu items at every restaurant I visit for any trip that I take, see what I purchased at each restaurant and how much I spent as well as the total, so that I can eat everywhere I visit and know how much I spent.
24. Story point: 8
25. Definition of done – The student can purchase items at each restaurant. After the trip the student can see what they purchased, from where, and how much they spent.
26. Assumption - the menu items are stored in the database, the prices for each individual item are initialized, and the total spent is calculated by the program
27. Tasks and Tests -
    1. Task - write algorithm so user can purchase items from different restaurants
    2. Task - calculate the total spent at each restaurant
    3. Task - Make a list of menu items of the corresponding restaurants
28. Assignee - Teddy and Nhan
29. Priority - 5
30. As a student, I want to be able to pick a custom list of restaurants I want to visit and starting from Saddleback College find the most efficient way to travel through all of them so that I can efficiently go to every restaurant with the least distance traveled.
31. Story point: 8
32. Definition of done – student can select a list of restaurants and the program will output where to go in what order for the least distance traveled.
33. Assumption - all of the restaurants and corresponding distances are stored in the program.
34. Tasks and Tests -
    1. Test - custom list of restaurants is outputted with the shortest distance first.
35. Assignee - John
36. Priority - 6
37. As a student, I want to be able to visit the 10 initial restaurants in the program, starting at Saddleback College and go to the next closest one on the list so that I can go to all of the restaurants in the shortest amount of time. Also have the option to visit any closer restaurants that were added after the first 10.
38. Story Point: 8
39. Definition of done – The student can get a list of what restaurants to go to in what order to visit the restaurant closest to the one they are at.
40. Assumption - all of the restaurants and corresponding distances are stored in the program, including those that were input by the administrator and were not a part of the initial list.
41. Tasks and Tests -
    1. Test - restaurants are outputted in order of shortest distance
42. Assignee - Nolan
43. Priority - 7
44. As a student, I want to be able to see all of my purchases from each restaurant and a grand total of what I spent for that trip at all of the restaurants so that I can see the total cost of my trip.
45. Story Point: 13
46. Definition of done – student can see what places they visited and how much they spent at each restaurant as well as the grand total for the trip.
47. Assumption - total spent at each restaurant is known
48. Tasks and Tests -
    1. create algorithm that calculates the grand total the user spent.
49. Assignee - Ashly and Nhan
50. Priority - 9
51. As an administrator with valid authentication, I want to be able to add new restaurants with their corresponding menu items from a file or from user input so that I can keep my list of restaurants updated.
52. Story Point: 2
53. Definition of done – the input is read correctly from the file or user input and stored in the program
54. Assumptions - a list of restaurants and their information is given.
55. Tasks and Tests –
    1. create a database with the information from the file or user input
    2. Create login for administrator
56. Assignees - Ashly and Nolan
57. Priority - 3
58. As an administrator with valid authentication, I want to be able to change a restaurant’s menu item prices so that I can keep the menu updated for the user.
59. Story Point: 3
60. Definition of done – the new menu item price is added to the correct menu item.
61. Assumption - Administrator is already logged in
62. Tasks and Tests -
    1. Test - the correct menu item was changed and updated in the database
63. Assignee - John
64. Priority - 10
65. As an administrator with valid authentication, I want to be able to add and delete menu items from restaurants so that each restaurant’s menu is up to date.
66. Story Point: 3
67. Definition of done – the correct menu item is removed or added to the correct restaurant.
68. Assumption - Administrator is already logged in
    1. Restaurant is already in the list
    2. Restaurant is already initialized
    3. restaurant can be reinitialized with new menu items
69. Tasks and Tests -
    1. test - if add and delete successfully updates the database
70. Assignee - Teddy
71. Priority - 11
72. Create a UML diagram with at least three use cases and at least three state diagrams
    1. Story point – 3
    2. Definition of done – A finished UML diagram of the program.
    3. Assumption -Structure of program is known (Classes etc).
    4. Tasks and Tests -
    5. Assignee - Nolan
    6. Priority - 12
73. Create a Test plan
    1. Story point – 3
    2. Definition of done- a completed test plan with for the project
    3. Assumptions - Structure of program is known
    4. Tasks and Tests -
       1. Test the distance (individual and total)
       2. Test the menu items’ price (individual and total)
    5. Assignee - Nhan
    6. Priority - 4

Plan for sprint 1:

Agile stories 1, 2, 8 and 12. - due 9/26

Plan for sprint 2:

Agile stories 3, 4, 5, 6

Plan for sprint 3:

Agile stories 7, 9, 10, 11

Team Rules:

1. Language using – C++.
2. Meet every Monday and Wednesday at 3:00 pm until class starts.
3. Update waffle IO with every story (finished or in progress).
4. Update GitHub so code is always up to date.