

# Polo's Expense System

Matthew Brown [mbrown2019@my.fit.edu](mailto:mbrown2019@my.fit.edu)

Nick Velasquez [nvelasquez2019@my.fit.edu](mailto:nvelasquez2019@my.fit.edu)

Faculty Advisor - Fitzroy Nembhard

Client - Polo Velasquez Landscape Maintenance LLC

## 1. Progress of current Milestone (progress matrix)

| Task   | Completion % | Matthew | Nick | To do                     |
|--|--------------|---------|------|---------------------------|
| 1. Create Statistics User Interface                    | 100%         | 0%      | 100% | None                      |
| 2. Create functions to calculate all of the statistics | 100%         | 100%    | 0%   | None                      |
| 3. Create Graphs                                       | 100%         | 10%     | 90%  | None                      |
| 4. Tabs  | 0%           | 0%      | 0%   | Convert each page to tabs |

## 2. Discussion (at least a few sentences, i.e., a paragraph) of each accomplished task (and obstacles) for the current Milestone:

- Task 1: This task involved planning and creating the UI for the statistics page to allow the customer to see various statistics about the business. For the UI, we planned to have two sides, one for graphics and another for calculated statistics.
- Task 2: This task required going through our newly created databases and combining different columns based on the statistic. This mostly involved pulling full columns, totaling them, and doing math with other columns. Finally, after calculating the information, format the data into a string to send to the stats page.
- Task 3: This task required taking the functions made in the last task and applying them to a matplotlib graph. We then took those graphs and saved them as a photo, then displayed those photos when we selected a dropdown of that graph.
- Task 4: Due to the changing of GPS to Statistics, we were not able to complete this task and will have to move it to the next milestone

3. Discussion (at least a few sentences, i.e., a paragraph) of the contribution of each team member to the current Milestone:
  - Matthew Brown: Created the functions for all of the statistics. Also helped come up with all of the different stats that we could show on our application.
  - Nick Velasquez: Created the user interface for the statistics page and worked on displaying the graphs and allowing them to update
4. Plan for the next Milestone (task matrix)

| Task   | Completion % | Matthew | Nick |
|--|--------------|---------|------|
| 1. Test the entire system                        | 0%           | 50%     | 50%  |
| 2. Conduct evaluation and analyze results        | 0%           | 100%    | 0%   |
| 3. Create a user/developer manual                | 0%           | 0%      | 100% |
| 4. Create a presentation and video demonstration | 0%           | 50%     | 50%  |
| 5. Work on tabs                                  | 0%           | 50%     | 50%  |

5. Discussion (at least a few sentences, i.e., a paragraph) of each planned task for the next Milestone.
  - Task 1: Test the entire system: Create tests for the application itself to make sure that functionality is working. An example will be creating new customers and making sure the database, stats, bills, etc., all update correctly.
  - Task 2: Conduct evaluation and analyze results: For this task, we will go to each page and run simple tests like click-to-completion tests. Evaluation tests will consist more of simplicity tests and speed tests to make sure everything is fast and intuitive.
  - Task 3: Create a user/developer manual: For this task, we will need to create a guide that will allow a user to fully understand what we are trying to accomplish with our product and how they can use it to the best of their ability.
  - Task 4: Create a presentation and video demonstration: For this task, we will create a presentation for the senior project showcase as well as a video showing our product in use. We will include every operation our program allows to showcase its functionalities.

- Task 5: since creating a new page for the client delayed this task, we will go back and create a system of tabbing through pages more efficiently than the current system of exiting the page to go back to the dashboard. We already know the tool to complete this, so this should be a minor task.
6. Date(s) of meeting(s) with Client during the current milestone:
    - 03/11/2023
  7. Client feedback on the current milestone
    - After showing the clients the GPS grouping system's functionality, we concluded that a tab to group customer houses didn't fit the needs of the business. After further discussion, we agreed that a statistics page to display all statistics that we both could come up with related to the company would be more beneficial to them.
  8. Date(s) of meeting(s) with the Faculty Advisor during the current milestone:
    - 03/20/2023
  9. Faculty Advisor feedback on each task for the current Milestone
    - Advised us on how to preload a graph onto our statistics page using a layout box.
    - Helped us optimize our statistics graph options by getting the graphs to update on the change of dropdown vs. clicking a button.

Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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10. Evaluation by Faculty Advisor

- Faculty Advisor: detach and return this page to Dr. Chan (HC 214) or email the scores to [pkc@cs.fit.edu](mailto:pkc@cs.fit.edu)
- Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

|         |   |   |   |   |   |   |     |   |     |   |     |   |     |   |     |    |
|---------|---|---|---|---|---|---|-----|---|-----|---|-----|---|-----|---|-----|----|
| Matt B. | 0 | 1 | 2 | 3 | 4 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 |
| Nick V. | 0 | 1 | 2 | 3 | 4 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 |

- Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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