Milestone 6 Evaluation

VehID

Version 1.0

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Project Advisor: Dr. Marius Silaghi
Project Client: Clayton Levins, Executive Director of Smart North Florida

April 11, 2024

Contents

1 Progress Matrix

Task	Completion %	Remington	Spencer	Thomas	Alexis	To-do
Test/Demo System	100%	50%	0%	50%	0%	NA
Conduct Evaluation and Analyze Results	100%	0%	50%	0%	50%	NA
Create User/Developer Manual	100%	25%	25%	25%	25%	NA
Create Demo Video	100%	0%	50%	0%	50%	NA
Sprint Planning	100%	25%	25%	25%	25%	NA
Milestone Evaluation	100%	25%	25%	25%	25%	NA

2 Discussion - Milestone 6

2.1 Tasks

Test/Demo System: For this milestone, we have completed our project and it was now time to perform tests to ensure that our appplication is working. This involved testing that each component was working with one another. We have been continuously testing our neural networks as they are built off of one another. However, this time we finally linked our neural network subsystem with our web application and database.

Conduct Evaluation and Analyze Results: Now that we have completed our project we needed to reflect on the performance of our system. This included manually validating our test data from a neural network subsystem as well as ensuring the usability of our web application and database.

Create User/Developer Manual: We created our User and Developer Manual is this milestone touching on the technical components of our project. For the user manual we discuss how one may use our system. Our developer manual primarily focuses on the way our system is set up and how each individual component works.

Create Demo Video: We recorded a demonstration as outlined on Dr. Chan's website for the showcase.

Sprint Planning: As with our previous milestones, at the beginning of each milestone we discuss the work that needs to be accomplished over the milestone and divide up tasks to ensure efficiency.

Milestone Evaluation: We completed our milestone evaluation to summarize all of our work that we accomplished over the past few weeks, outlining the tasks that we accomplished.

This time allows us to reflect on our work and find any issues that occured allowing us to correct it in the coming milestone.

2.2 Member Contribution

Remington Greko: For this milestone I contributed to creating the web application. I implemented the code to connect the JSON output from the CNNs to the database used in the web application. I also made some modifications and fixes to multiple APIs and front-end components as new goals and issues arose throughout the milestone. Recorded the demo video for the web application. I also worked on completing the milestone evaluation and developer manual focusing on the web application and database sections.

Spencer Hirsch: For the milestone I participated in many of our tasks. This included, sprint planning and evalulating the performance of the neural network subsystem as well as the web application and database. I also worked on our Milestone Evaluation Document and the User and Developer Manual.

Thomas Johnson: For this milestone I continued in creating the web application. I continued to expand off of the front end, and once the CRUD functionalities were implemented by Remi I added user functionalities to our tabulated display of the data. I added a 'view more' button to display more entries in the list, and filtering functionality to display full or partial matches. I implemenmted the form functionality located in 'index.html' to search the database for matches, and display all applicable matches into a modal to be displayed for the user. I also did some minor styling to keep displays uniform between pages.

Alexis Nagle: For this milestone, I contributed to many of our tasks. I helped record the demo video for the neural network subsystem demonstration. I also worked on conducting the evaluation and including this into both our poster and eBook from last milestone. In addition to finishing up those documents, I worked on adding the neural network information to the user/developer manual. Just as previous milestones, I also participated in the sprint planning and creation of the milestone evaluation.

3 Client

3.1 Meeting Date

Date: Wednesday, April 10, 2024

3.2 Client Feedback

Test/Demo System: We demonstrated our system to our client who was very pleased with the work that we were able to complete. This was our final meeting so we were able to show him our project in its entirety.

Conduct Evaluation and Analyze Results: We discussed our Neural Network Subsystem evaluation results with our client. He seemed pleased with how the models were

performing, we discussed our hardships with training and testing our data. Overall, he was pleased with what we were able to complete. In addition to discussing the results from the Neural Network we asked our client for ideas of how to evaluate the web application. He gave us useful feedback of what he would expect us to do for this portion.

Create User/Developer Manual: We did not discuss our User/Developer Manual with our client. We did however dicuss some of the topics discussed in the document.

Create Demo Video: We did not demonstrate our recorded demonstration to our client, however we performed a live demo showing how the software works.

Sprint Planning: Our client did not have any concerns with how to work was divided up. He was pleased with our results of the project.

Milestone Evaluation: Our client did not have any comments on out milestone evaulation document.

4 Faculty Advisor

4.1 Meeting Date

Date: Friday, April 12, 2024

4.2 Advisor Feedback

Test/Demo System:

Conduct Evaluation and Analyze Results:

Create User/Developer Manual:

Create Demo Video:

Sprint Planning:

Milestone Evaluation:

Faculty Advisor Signature: _____ Date: _____

4.3   Student Evaluation

Remington Greko	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Spencer Hirsch	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Thomas Johnson	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Alexis Nagle	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: _____