Outlook

[CS 488T] Sprint 16 Report, Team 11 [stewartc]

From shelbyemailrelay@gmail.com <shelbyemailrelay@gmail.com>
Date Sun 5/25/2025 7:01 AM
To Stewart, Caleb <cstewart15@ewu.edu>

Caleb,

This report describes the activities of your EWU Senior Project team over the previous self-evaluation period (usually Saturday through Friday). It contains only public information. Private information and comments, etc. are available only to the instructor. If you notice any discrepancies or have questions, please contact Dan Tappan at dtappan@ewu.edu.

Sprint 16 Team Report

Team 11: Trademark ID & Analysis Engine

· Lane Keck
· Caleb Stewart
· Logan Taggart

Logged Hours

The team is generally free to work whenever they want during the sprint. The expectation for a team of three members is 45 hours total (15 per member) on average. However, this number will vary throughout the course.

Individual Hours:

		All Sprints							
Member	Hours	Total	Min	Max	Avg[1]	Avg[2]	Std[2]	Count[1]	Missed
Keck	5.0	109.0	3.0	9.0	7.3	7.3	1.5	15	0 (0%)
Stewart	6.0	119.5	2.0	16.0	8.0	8.0	3.2	15	0 (0%)
Taggart	7.5	111.0	3.0	10.0	7.4	7.4	2.0	15	0 (0%)
Team Total:	18.5								

[1]including and [2]excluding missed submissions for required sprints

Team Hours:

Sprint																				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total	Min	Max	Avg	Std
8.0	27.5	24.5	28.5	25.5	22.0	18.0	0.0	29.0	25.0	23.0	25.5	24.5	21.5	18.5	18.5	339.5	0.0	29.0	21.2	7.4

The following is optional descriptions of daily work that is not captured as activities below:

Taggart:

- Trying to use docker to bundle app
- Trying to bundle application
- Preparing for scripting
- Trying to use docker to bundle app

Activities

Activities are member-defined units of work that are formally tracked from sprint to sprint (unlike the optional descriptions above). Every activity must be accounted for from its creation until it is completed or abandoned.

New Activities

These activities were created by during this sprint.

Keck

Activity 139: Start working on User's Manual

Create User's Manual (one sprint expected)

Stewart

Activity 138: Finalize project

Fix bugs ang get project finalized (one sprint expected)

Taggart

Activity 148: Working on final deliverables

Working on some of the final deliverables (two sprints expected)

Continuing Activities

These activities were continued from the previous sprint.

Activity 123.1: Documentation

Opened in Sprint 15 by Stewart; expected to take three sprints.

Original description: Start working on and brainstorming about the documentation

Progress in Current Sprint (expected to take two more sprints): SRS Reconciliation is pretty much done. Other documentation has been started

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Activity 118.1: Packaging backend into executable

Opened in Sprint 13 by Taggart; expected to take two sprints.

Original description: Compiling backend into single executable with Nuitka.

Progress in Sprint 14 (expected to take two more sprints): I have built a workflow in GitHub to be able to automatically build the backend into a single executable, but the backend is not fully prepared to do this just yet.

Progress in Sprint 15 (expected to take one more sprint): Workflows in GitHub to bundle backend into an executable, and whole app into a single executable have been completed. I am also going to be using PyInstaller now instead of Nuitka to build backend.

Progress in Current Sprint (expected to take one more sprint): We are pivoting again and I will be writing bash scripts after packaging failed and docker failed to work as well.

Completed Activities

These activities were completed during this sprint.

Activity 137.1: Add removing option to image search

Opened in Sprint 15 by Keck; expected to take one sprint.

Original description: Add red 'x' to remove logos

Progress in Current Sprint: I have completed this activity

Activity 119.1: Minor cosmetic changes

Opened in Sprint 13 by Taggart; expected to take one sprint.

Original description: Making certain aspects look better.

Progress in Current Sprint: All updates have been completed and finalized for front end design.

Activity 124.1: Fixing backend to work as a single executable

Opened in Sprint 15 by Taggart; expected to take one sprint.

Original description: Changing file paths to work properly once it is bundled together.

Progress in Current Sprint: This has been completed and they are now using the correct paths.

Team Reflection

This section refers to the team's collective perception of and reflection on the project over this sprint.

The instructions are: Consider the following four pairs of questions hierarchically. They are not the same question. If you think they are, then you are likely not using an appropriate breadth and depth of software-engineering thought. This course is a practical application of the aspects of product, process, and people. We are trying to account for everything: not just to create a good product, but also to learn from the process to improve the people. Reflect on the experience of the entire team collectively over this sprint. You do not need to account for all work, just two examples that are most representative of easiest and hardest.

For reference, *understand* relates to the comprehension of what needs to be done; *approach* to how you think it should be solved; *solve* to implementing the actual solution; and *evaluate* to demonstrating to yourself and your team (if applicable) that the performance of your solution is consistent with everything else in the project. Remember The Cartoon from CS 350.

Understand

Easiest:	We have mostly completed our project. The current work that is the easiest to understand is the documentation like the SRS reconcilation and the User's Manual. We have begun work on this and expect it to be pretty straight forward
Hardest:	The hardest part of the current work to understand is getting the packaged version of our application to work on Windows and Mac. We have been having a hard time doing this and this part just does not make sense leading to further complications

Approach

Easiest:	The easiest aspect to approach is the User's Manual. Our application is relatively easy to use and more user friendly than most applications related to machine learning.
Hardest:	The hardest aspect to approach is debugging issues with packaging the application. We use certain libraries within our application that tend to create problems with docker, Electron, Pyinstaller and more. The program wants us to change these libraries but how do we change an API that we are using?

Solve

Easiest: The easiest aspect to solve is creating bash scripts for our application. Instead of packaging the app, we have agreed on just writing a bash script to open and run our application. Bash scripts are easy to use.

Hardest: The hardest aspect to solve is measuring our progress throughout the two quarters. In the beginning, we have made requirements that we mostly have stuck to throughout our time woring on our application. But it is hard to say how steady our progress has been

Evaluate

Easiest: It is easy to evaluate whether or not our application is working. The application either returns the metrics back to the user or throws an error.

Hardest: It is hard to evaluate how well the model is working. We have many tunable parameters that can help a user get better results but in the end, the model doesn't tell us why it chose something to be a logo or why it did not.

Completion: 98

Contact: N/A

Comments: No

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