

Project Activity 4 – Automated Software Testing and Deployment

Team Name: Agribird

Describe your team's application:

a. Which features did your team choose to implement from your backlog?

- Our team added features to interact with the users, improve satisfaction, and acquire results for the provided application. Our team created a loading bar that shows iteration as the application predicts the given image of the user. This feature reduces the level of uncertainty that users face when using an interface, meaning that the progress bar keeps the user assured that the interface is doing something. Additionally, to acquire feedback from users, we add a feature for determining the satisfaction level and showing a visual response to know how accurate our project is in classifying given images.

b. What are the specific objectives of these features?

- Our primary goal is to accurately differentiate between tomatoes and apples in our classification process. Implementation of feedback features, allowing users to give feedback whether the prediction is correct or wrong.

c. Why were these features chosen?

- Our team chose a feedback feature to allow users to provide feedback on the web application, which can help improve the experience for all users. It helps us identify any problems with our application. We chose the loading feature as a visual indicator of the progress of the iteration. It is used to show how much work has been completed and how much is remaining.

Record your team member roles and skill sets

Team member	Role/Knowledge/Skill Set
Estologa, John Lester	Testing/Python Programmer/Documenting
Fetalino, Mico	Tester/Basic Programmer/Documentation
Landayan, Selwyn Charlz Angelo	Python programmer
Langbid, Jefferson Luis	Tester, Github, Programmer

Macamay, Kurt Daniel	Project manager
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Strategy/Project Plan

Provide a brief description of your team’s strategy for completing this project.

For our strategy, we divide the task into small workloads. Each member of our group has a specific task to do. The CI/CD we implemented was the GitHub Workflow, which checks the syntax of each commit of our members. This tool has the capability to automate the building, testing, and deploying of our web app. Finally, GitHub Workflow records the changes in our code, we can also detect or see whether there is an error in our commit that prevents the changes in our repository.

Final Deliverables

Presentation

Provide the following evidence (which will also be part of your presentation):

Application and Git:

- Application code with new features
- Show changes pushed to GitHub
- Test cases
- CI/CD pipeline functionality

Presentation Link: <https://www.canva.com/design/DAFxlBjvjFo/thQ4VfRw5fx19JfgfptTEw/edit>
GitHub Link: https://github.com/TIPKurtMacamay/apples_tomatoes_classifier.git

Reflect on the type of issues you have faced while working on this project. How did you find solutions and what have you learned?

Team activities and reflection

Deliverable/Rubric: Your manager is interested in knowing how everyone worked together as a team. Here is a list of questions from your manager:

- What did you enjoy about working as a team? What worked well?
 - Working as a team allowed us to use our different skills to perform the activity and solve problems. Teamwork helped us to come up with new ideas, like adding a progress bar and feedback from users.

b. What team problems did you encounter and how did you resolve them?

- Sometimes, we did not understand each other in the way we approached the activity. We fixed this by making sure everyone knows their role and talking regularly.

c. What technical problems did you encounter and how did you resolve them?

- For our team, developing and testing the functionality has been a huge challenge. We carefully consider our options in order to accurately code, test, and implement our features in the program. Additionally, despite the difficulties, we remain steadfast and talk about any problems we meet to gain a deeper comprehension and a broader perspective on how to handle them.

d. How was each team member held accountable individually and for the team as a whole?

- Every individual in our team is accountable for performing given tasks and objectives by adding features and integrating the web application. Our team allows us to manage different expertise in integrating the application and allows each member to collaborate in order to reach the objectives of integrating the application and output.

e. What was your team's decision-making process?

- We are always collaborating to make sure our decision is aligned with the objectives of this project. Like we have a decision where each member will provide one feature to add in our existing web application then after collecting the ideas of each member we will decide which is the best feature to deploy in our web application.

f. Overall, how were the team dynamics and what were any lessons learned?

- We are able to commit to a project by brainstorming what we should use as a project. We chose the apple and tomato classifier in order to show applications on creating web applications. Additionally, In terms of team dynamics, we confront some of our concerns and try to resolve them as soon as possible. The manner in which our team communicates and trusts one another in order to work more efficiently and hold one another accountable in order to achieve our goals in learning about how we integrate our application utilizing GitHub In terms of lessons learned, communication is critical when working as a team. Each member should be assigned distinct duties and responsibilities. Even though we had varied schedules, we were able to pull it off because of our adaptability.