International School

Capstone Project 2
CMU-SE 451

Reflection
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Green Big5 Information System

Submitted by

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Proposal Review Panel Representative:

Name	Signature	Date

Binh, Thanh Nguyen_____   _____ 15 - 5- 2022

Team Number/ Team Name	C1SE02
Project title	Green Big5 - Green Big5 Information System
How many students are on your team? List the team member's name	4 Loc, Nguyen Tien Chung, Hoang Bao Vinh, Do Quang Kha, Ngo Van

Reflection (Required)

Why this system?

- This system uses Ai and multiple-choice questions to screen and create a set of questions to evaluate and draw results about the environmental influence of the Big Five personality models. Finally create suggestions to help improve the environment of the above personalities.

What challenges did you face while completing this project?

- New technology. This is the group's first project on the Flutter programming language. Although it does not affect much, this is also a common difficulty of the group in completing the project

- Lack of communication is also a barrier for my team

- Lacking experience in developing a system.

- Because of COVID-19, All members had to do the work online.

- Lacking resources to buy tools for development.

- Lack of practical experience. Estimating workload depends heavily on the feelings and experiences of each individual

- Understanding the tourism business, and creating and organizing a tour is a huge challenge for information technology students.

What were the highlights for you/your team during this project?

- New technology: Flutter - New programming language of Google, with a brand new technology and function. Support for developing applications.
- The main point is that we apply this technology to tourism development. Currently, the Covid epidemic has greatly affected the development of industries and professions, especially tourism. Therefore, we hope that technology can promote the development of tourism again
- Success in creating a team culture, people after 4 months of work together have positive changes of opinion, thinking, action, thinking to other people, responsible for the work more

- We have successfully used machine learning to provide recommendations for travelers, improving the tourist experience
- Know about the effect of mankind on the environment.

What is the most important thing you learned in this project?

- Teamwork and communication, this always is an important things when working with others. Although we already have time to work together, when starting doing something new, this job requires different skills and the ability to manage team members.
- Process and framework estimating are also important. After going through this project, we have a better understanding and more accurate estimation of the time to complete the task, and function scores,

- Problem-solving and accountability, to keep up with project progress, each team member always has the responsibility for the assigned work, and instead of dealing with a big problem, we know how to divide small problems to handle them effectively.

- Online work, and decision making.

What part of the project did you do your best work on?

Each team member will have strengths and they will do well in the following parts:

- Loc: Writing document, testing, research about Big5 model, indicator…. Upgrade my leading Skill and develop the Front-end.
- Chung: Research AI, Testing, Writing document.
- Kha: Research system security issues, plan operations, create a system-wide test strategy, and test case, and put the application running in the Store.
- Loc, Vinh, Kha: Full-stack developer, application developer

What was the most enjoyable part of this project?

- Planning Poker activities. This is an activity that happens every Sprint starts. After the Product owner read each backlog, the team members were asked to analyze and clarify this backlog. This is when the members give their opinions, evaluate the complexity of the backlog, give the score of the backlogs (corresponding to the execution time) and agree on their views.
- Online working with members: This is the time when everyone in the team exchange knowledge, talk best and consolidate the solidarity in the team without going outside

What is the least interesting part of this project?

- Add new software requirements or change architecture and interface

- Making a professional and detailed document takes time and researches many aspects.

- Detailed planning for each task requires experience in project work and accurate time measurement for that task
- Planning document.

What needs to be improved to make the project teamwork best?

- The schedule should be more accurate and relevant
- Participate more actively in working together, especially in face-to-face meetings and daily meetings
- There is a clear purpose
- Set and follow the rules in the group
- Accept differences
- Should enhance more team building activities
- Team members consider which is the most priority.

How could you/your mentor(s) change this project to make it better next time?

- Another way to make our project better is that we should keep in touch with our mentors and report the difficulties that we are facing.
- Continue learning about the way real education businesses work.
- More focus and discussion on the project.
- Try to understand the problems faced by market applications and from that improve, apply and our application.

What is your team's biggest obstacle?
- Disagreement of opinion.
- The prolonged epidemic made most things difficult and had to be done online. That causes a lot of problems when team members using private networks have problems

What is your team's goal??
- Build a system to help reduce environmental pollution effectively and automatically.

How do you typically approach a new project?

- y list out steps you took in your last projects when you did the initial project analysis. However, don't just list out general steps but talk about your adjustments based on the specific project.

How do you handle changes in requirements?

- We are prioritizing the changes to requirements, the scope of changes, and the impact analysis of the project. Next, we perform an impact analysis of the

project cost, timeline, and resources. Finally, we evaluate whether the scope change is introducing new gaps to the technical or functional designs or development and testing.