



International School

Capstone Project 1

CMU-SE 450

Reflection

Version 2.0

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Green Big5 Information System

Submitted by

Chinh, Thai Huu

Chung, Hoang bao

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Approved by Nguyen Thanh Binh

Proposal Review Panel Representative:

Name _____ Signature _____ Date _____

Team Number/ Team Name	C1SE02
Project title	Green Big5 - Green Big5 Information System
How many students are on your team?	4
List the team member's name	Chinh, Thai Huu Chung, Hoang Bao Hau, Bui Phuc Loc, Nguyen Tien

Reflection (Required)

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 developing.
- Lack of practical experience. Estimating workload depends heavily on the feelings and experiences of each individual
- Understanding tourism business, 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 thing 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 is also important. After going through this project, we have a better understanding and more accurate estimation of the time to complete the task, function scores,..
- Problem solving and accountability, in order 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:

- Chinh: Writing document, testing, research about Big5 model, indicator.... Upgrade my leading Skill and develop the Front-end.
- Chung: Research AI, Testing, Writing document.
- Hau: Research system security issues, plan operations and create a system-wide test strategy, test case and put the application running on the Store.
- Loc: 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 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, consolidate the solidarity in the team without go 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 team work best?

- The schedule should be more accurate and relevant
- Participate more actively in working together, especially 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 become 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.