



# CAPSTONE PROJECT 2

CMU-SE-451

## CODE STANDARD DOCUMENT

Version 1.1

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## Green Big5 Information System

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A handwritten signature in blue ink, appearing to read 'Nguyen Thanh Binh', written over a horizontal line.

15.05.2022

|  |   |                             |               |
|--|---|-----------------------------|---------------|
| <b>Project acronym</b>   | GB5   |                             |               |
| <b>Project Title</b>   | GreenBig5   |                             |               |
| <b>Start Date</b>  | 1 March 2022  | <b>End Date</b>             |               |
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| <b>Access</b>         | Project and CMU Program           |                  |                                   |

## REVISION HISTORY

| Version | Person(s)       | Date           | Description                | Approval |
|---------|-----------------|----------------|----------------------------|----------|
| Draft   | Loc,Nguyen Tien | 24 -Feb - 2022 | Initiate document          | x        |
| 1.0     | All members     | 15- May - 2022 | Finish content of document | x        |

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# 1. INTRODUCTION

## 1.1. PURPOSE

Providing a prioritized features list, containing short descriptions of all functionality desired in the product.

Containing a complete list of all requirements under consideration, rank ordered, and matrixed with other key characteristics that facilitate planning and prioritization.

## 1.2. SCOPE

Showing the user's role.

Storing all the user's requirements.

Giving a short description of all the functionality desired in the product.

Giving the priority of each feature of the product.

## 1.3. DEFINITIONS, ACRONYMS AND ABBREVIATIONS

| Term | Definition              |
|------|-------------------------|
| GB5  | Green Big5              |
| PB   | Product Backlog         |
| H    | Priority Level - High   |
| M    | Priority Level - Medium |
| L    | Priority Level - Low    |

## 1.4. REFERENCES

| No. | Document Name     | Note |
|-----|-------------------|------|
| 1   | Proposal Document |      |

## 2. PRODUCT BACKLOG

### 2.1. USER STORIES

| ID    | As a/an   | I want to ...  | so that ...  | Priority | Status      |
|-------|-----------|--|--|----------|-------------|
| PB1.1 | Developer | Understand the project   | Reseach about big5 personality model through internet or documen     | <b>M</b> | <b>Done</b> |
| PB1.2 | Developer | Understand about technical and requirement for project   | Research document and technical for the project                      | <b>M</b> | <b>Done</b> |
| PB1.3 | Developer | Understand about connect about big5 indicator trait and keywords of environment                          | Find keywords for environent and research about big5 indicator trait | <b>L</b> | <b>Done</b> |
| PB1.4 | Developer | Understand about auto create question from keywords connect big5 indicator trait,auto predict big5 trait | Reseach model AI   | <b>L</b> | <b>Done</b> |
| PB2.1 | Developer | Create question and predict big5 trait   | Create model AI  | <b>M</b> | <b>Done</b> |
| PB2.2 | Developer | Update register page to concide with new major   | Update code  | <b>H</b> | <b>Done</b> |

|        |   |  |  |          |             |
|--------|---|--|--|----------|-------------|
| PB2.3  | Developer                               | Collect address of user  | Create function for get address                              | <b>L</b> | <b>Done</b> |
| PB 3.1 | Developer                               | Use API python for run function(model AI) in python                    | Create API from python                                       | <b>L</b> | <b>Done</b> |
| PB 3.2 | Administrator/<br>Content manager       | Connect keywords and big5 indicator trait become a tree                | Can see relationship about keywords and big5 indicator trait | <b>H</b> | <b>Done</b> |
| PB 3.3 | As an administrator/<br>Content manager | I can edit the question data in a table...                             | can edit the user trait data                                 | <b>M</b> | <b>Done</b> |
| PB 4.1 | Administrator/<br>Content manager       | Create the question  | Can have new question  | <b>H</b> | <b>Done</b> |
| PB 4.2 | Administrator/<br>Content manager       | Save or send question to all user                                      | Can get more data for question or user                       | <b>M</b> |             |
| PB 4.3 | Administrator/<br>Content manager       | See the flow of model AI for question and the status question was send | Can see the rightness  | <b>L</b> |             |

## 2.2. FEATURE DESCRIPTION

| ID   | Feature Name              | Description                                   | Priority | Status      |
|------|---------------------------|---|----------|-------------|
| PB01 | <b>View question data</b> | View question data in the database in a table | <b>M</b> | <b>Done</b> |

|      |                                 |   |   |             |
|------|---------------------------------|---|---|-------------|
| PB02 | <b>Send question to user</b>    | Send question to group of user  | H | <b>Done</b> |
| PB03 | <b>Visualize the trait data</b> | -Visualise the trait data in a chart  | M | <b>Done</b> |
| PB04 | <b>Answer question</b>          | Answer the question sent by the administrator/ Content manager in the GB5 App | H | <b>Done</b> |