



CAPSTONE PROJECT REPORT

Report 2 – Project Management Plan

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I. Project Report

1. Status Report

#	Work Item	Status	Notes (Work Item in Details)
1	Writing Project Report No.2	Completed	

2. Team Involvements

#	Task	Member	Notes (Task Details, etc.)
1	Writing Project Report No.2	ThuanND ThanhNT AnhDV AnhTV	

3. Issues/Suggestions

#	Issue	Status	Notes (Solution, Suggestion, etc.)
1		Pending	
2		In Progress	
3		Completed	

II. Project Management Plan

1. Overview

1.1 WBS & Estimation

#	WBS Item	Complexity	Est. Effort (man-days)
1	Guess activities		5
1.1	Register	Simple	1
1.2	Log in	Simple	2
1.3	Log out	Simple	1
1.4	Change password	Simple	1
1.5	Set avatar	Simple	1
2	Manage system		21
2.1	Approve user	Simple	1
2.2	Ban user	Simple	1
2.3	Response to user's report	Medium	3
2.4	Ban book	Simple	1
2.5	List all books	Medium	3
2.6	List all users	Medium	3
2.7	List all reports	Medium	3
2.8	Search book by name	Medium	2
2.9	Search user by name	Medium	2

2.10	Search report by sender's name	Medium	2
3	Manage text to speech audio		8
3.1	Choose voice gender	Simple	1
3.2	Choose audio speed	Simple	1
3.3	Choose voice	Simple	1
3.4	Start text to speech audio	Medium	5
4	Seach		4
4.1	Search author by name	Medium	2
4.2	Search book by name	Medium	2
5	Manage book		17
5.1	Read chapter	Medium	2
5.2	List all reading books	Medium	2
5.3	Rate book	Simple	1
5.4	Like book	Simple	1
5.5	Comment	Medium	3
5.6	Reply to comment	Medium	3
5.7	Share on social media	Medium	2
5.8	Report book	Medium	2
6	Apply as creator	Simple	1
7	See creator's information		3
7.1	See creator's info	Simple	1
7.2	See creator's book	Medium	2
8	Manage messages		6
8.1	List all messages	Medium	2
8.2	Delete message	Medium	2
8.3	Search message by sender	Medium	2
9	Manage creator's book		15
9.1	Create new book	Simple	1

9.2	Edit book	Medium	2
9.3	Create new chapter	Medium	2
9.4	Edit chapter	Medium	2
9.5	Schedule publish book	Medium	2
9.6	List own books	Medium	2
9.7	Create alias	Medium	2
9.8	Search book by name	Simple	1
9.9	Search chapter by name	Simple	1

Total Estimated Effort (man-days): 80

1.2 Project Objectives

#	Quality Stage	No. of Defects	% of Defect	Notes
1	Reviewing	40	10	Out of 400 pages, our project expects no more than 10% to fail
2	Unit Test	50	10	Out of 1000 LOCs, our project expects no more than 10% to fail
3	Integration Test	10	10	Out of 100 TCs, our project expects no more than 10% to fail
4	System Test	10	10	Out of 100 TCs, our project expects no more than 10% to fail
5	User Acceptance Test	2	10	Out of 20 TCs, our project expects no more than 10% to fail

1.3 Project Risks

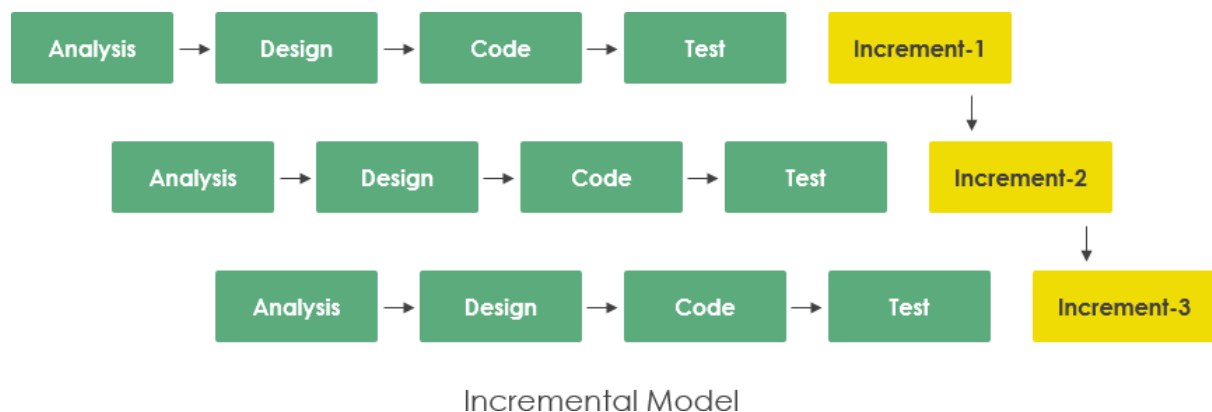
#	Risk Description	Impact	Possibility	Response Plas
1	Libraries used in projects is no longer supported	Low	High	Replace with other libraries

2	New Technology	Medium	Medium	Choose technologies based on member's background
3	Accidentally lack of members	High	Low	Assign more tasks to other members
4	Team members disagree with each other	High	Low	Team members discuss the problems together to resolve the conflict

2. Management Approach

2.1 Project Process

Incremental model: The incremental build model is a method of software development where the model is designed, implemented and tested incrementally (a little more is added each time) until the product is finished. It involves both development and maintenance. The product is defined as finished when it satisfies all of its requirements. Each iteration passes through the requirements, design, coding and testing phases. And each subsequent release of the system adds function to the previous release until all designed functionality has been implemented. This model combines the elements of the waterfall model with the iterative philosophy of prototyping.



2.2 Quality Management

- Reviewing:
 - Self-evaluation: Each member review their own work
 - Peer review: Each member reviews other members work
- Unit Testing
- Integration Testing
- System Testing

2.3 Training Plan

Training Area	Participants	When, Duration	Waiver Criteria
Git, Github	All members	1 day	Mandatory
Spring Boot	All members	3 day	Mandatory
VueJS	All members	3 day	Mandatory

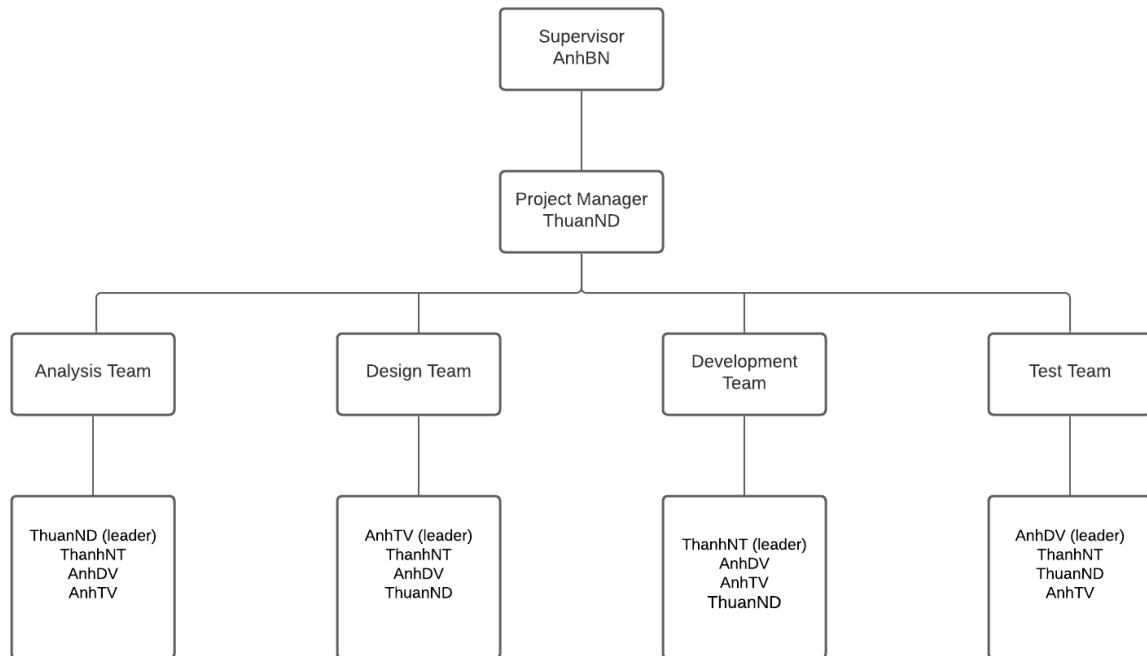
3. Master Schedule

#	Deliverable	Due Date	Deliverable Scope
1	Project Plan	23/5/2021	Task Plan
2	SRS	6/6/2021	User Requirements
3	Design	13/6/2021	Architecture Design, Detail Design, Database
4	Code Package 1	15/7/2021	Code & Unit Test
5	Code Package 2	1/8/2021	Code & Unit Test
6	UAT Package	5/8/2021	Code, System Test Reports
7	Final Package	15/8/2021	Final Code and Documents, User Manual

1	Project	105 days	13/05/2021	26/08/2021
2	Iteration 1	63 days	13/05/2021	15/07/2021
3	1. Meeting with supervisor	0 days	13/05/2021	13/05/2021
4	2. Planning	1 days	14/05/2021	15/05/2021
5	4. Documentation	32 days	16/05/2021	17/06/2021
6	Report 1	4 days	16/05/2021	20/05/2021
7	Report 2	6 days	21/05/2021	27/05/2021
8	Report 3	6 days	28/05/2021	03/06/2021
9	Report 4	13 days	04/06/2021	17/06/2021
10	5. Coding	27 days	18/06/2021	15/07/2021
11	6 Testing	10 days	05/07/2021	15/07/2021
12	Create test plan	3 days	05/07/2021	08/07/2021
13	Execute test cases	7 days	08/07/2021	15/07/2021
14	Iteration 2	30 days	16/07/2021	15/08/2021
15	1. Updating design	3 days	16/07/2021	19/07/2021
16	Update diagrams and reports	3 days	16/07/2021	19/07/2021
17	2. Coding	10 days	20/07/2021	30/07/2021
18	3. Testing	8 days	31/07/2021	08/08/2021
19	Create test plan	3 days	31/07/2021	03/08/2021
20	Execute test cases	5 days	03/08/2021	08/08/2021
21	4. Documentation	15 days	08/08/2021	23/08/2021
22	Report 5	5 days	08/08/2021	13/08/2021
23	Report 6	5 days	13/08/2021	18/08/2021
24	Report 7	5 days	18/08/2021	23/08/2021
25	5. Closing project	2 days	24/08/2021	26/08/2021
26	Create final project report	1 days	24/08/2021	25/08/2021
27	Complete all reports	1 days	25/08/2021	26/08/2021

4. Project Organization

4.1 Team Structure



4.2 Roles & Responsibilities

Role	Responsibility
Project Manager	Take general responsibility for the project
Analysis Leader	Responsible for getting user requirements, analyze, managing risks and reviewing documents
Analysis Member	Responsible for creating documents related to business requirements
Design Leader	Responsible for choosing design architecture for the whole system
Design Member	Create design for assigned module
Technical Leader	Responsible for choosing technologies for the whole system and overseeing the work done by other programmers
Developer	Responsible for implementing code for the project

Test Leader	Responsible for creating the test plan, test report
Test Member	Execute test plan, record test result

5. Project Communication

5.1 Communication Plan

Communication Item	Who/Target	Purpose	When, Frequency	Tool, Method(s)
Daily meeting	Team members	Checking progress, assigning tasks	Everyday	Offline, Google Meet, Messenger
Unscheduled meeting	Team members	When problems arise and requires immediate solutions	Low	Offline, Google Meet, Messenger
Training	Team members	Training technologies for team	3rd weeks	Offline, Google Meet, Messenger
Weekly meeting with supervisor	Supervisor and team	Receive suggestions, report on project status	Thursday every week	Offline, Google Meet

5.2 External Interface

Function	Contact Person (name, position)	Contact Address (email, telephone)	Responsibility
Supervisor	Bui Ngoc Anh	anhbn@fpt.edu.vn	Give instructions to team Review deliverables Supervise project status

6. Configuration Management

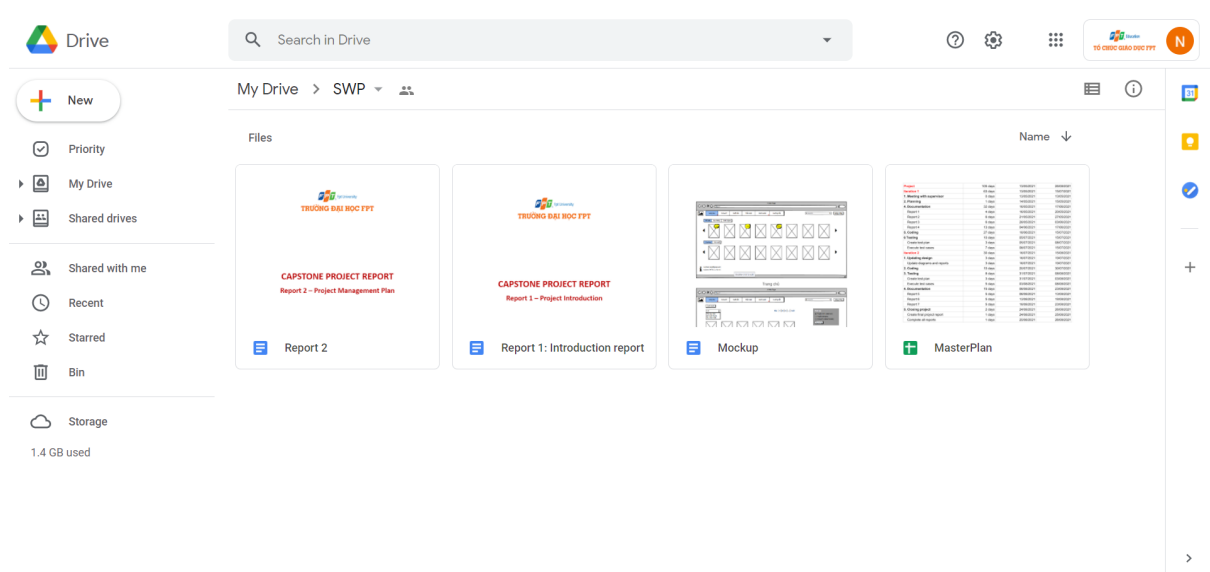
6.1 Tools & Infrastructures

Programming Language	Who/Target
----------------------	------------

Framework	Spring Boot, VueJS
API	FPT.AI Text to Speech
DBMS	SQL Server
IDEs	Intellij, Eclipse, VSCode
UML tools	Lucidchart
Version Control	Git
Documents	Google docs
Project management tools	Microsoft Project

6.2 Document Management

Our project uses Google Drive, Google Doc, Google Sheets to manage project documents.



6.3 Source Code Management

Our project uses GitHub to manage source code and its changes/versions.

master

2 branches

0 tags

Go to file

Add file

Code

dthuan56

No commit message

89b9bb5

4 days ago

5 commits

public	Initial Commit	4 days ago
src	No commit message	4 days ago
.gitignore	Initial Commit	4 days ago
README.md	Initial Commit	4 days ago
babel.config.js	Initial Commit	4 days ago
package-lock.json	Initial Commit	4 days ago
package.json	Initial Commit	4 days ago

About

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