

***Capstone Project***

**Report 2**

**Software Project Management Plan**

*Personal Finance Management*

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# Problem Definition

## Name of this Capstone Project

As introduction in Report 1, name of this project is **Personal Finance Management**. Abbreviation **PFM**

## Problem Abstract

Our product helps people manage their personal finance in the way of the most quickly and usefully, without waste of time to remember and don't afraid forget any account.

## Project Overview

### The current System

It will be a new system, developed by ourselves. There is no current system.

### The Proposed System

There are some main functions of our product (when completed):

* Schedule: use to plan your future spending
* Revenue and expenditure management: helps user manage revenue and expenditure every month
* Borrowing and lending management: help user to easily manage borrowing and lending.
* Report: analyze your spending with reports and pie charts; help user has an overview of the expenses in a month, compare with plan or other month.
* Warning: alert you of upcoming bills or when expenditures exceed plan.
* Synchronize: help storage data

### Boundaries of the System

* Final product is an application on Android
* Application for Vietnam
* The system will have to work Android 2.3 or higher

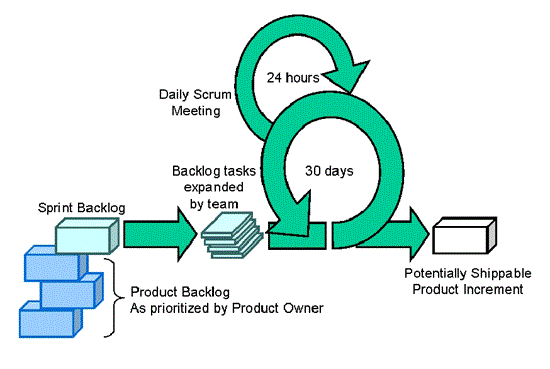
### Development Environment

* OS:
* Developing language
* IDE:
* Database:

# Problem Organization

## Software Process Model

We apply new process model named: Scrum. All phases of project will follow this model.



## Roles and Responsibilities

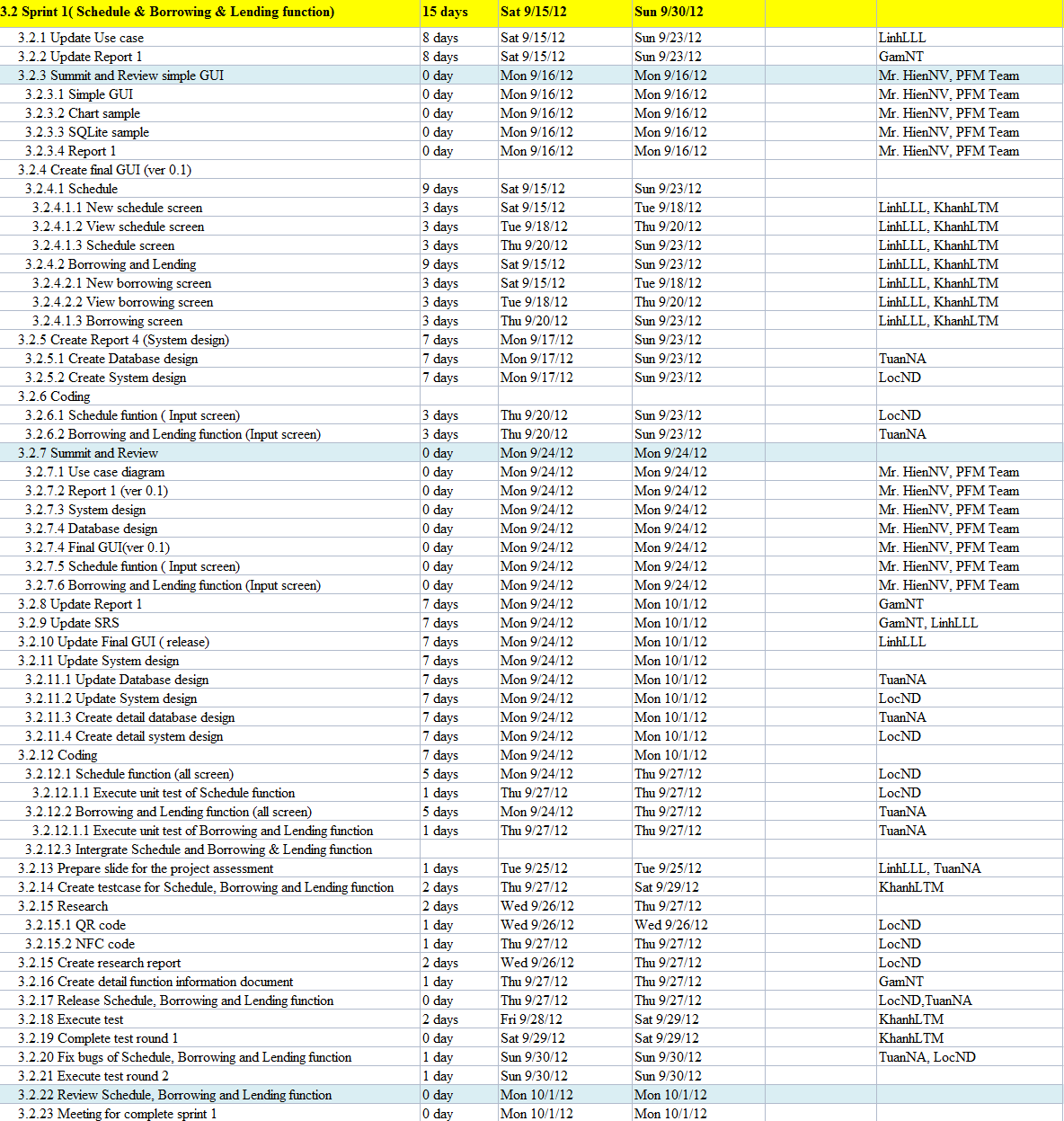
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| --- | --- | --- | --- |
| STT | Full Name | Role in Group | Responsibilities |
| 1 | Lai Le Le Linh | Team Leader  Designer  Tester | - Create project plan, take meeting, check status, and monitor activities...of team members.  - Promote the project implementation and evaluate steps of project.  - Write meeting minutes  - GUI design  - Testing  - Create use-case diagram |
| 2 | Nguyen Duc Loc | Technical Leader  Developer | - Support other members about technical issues.  - Build framework and guide for developers.  - Coding  - Unit testing  - Create System Design |
| 3 | Nguyen Anh Tuan | Developer | - Create Database Design  - Coding  - Unit testing |
| 4 | Le Thi Minh Khanh | Tester  Designer | - Create test case  - Testing  - Design GUI  - Write meeting minutes |
| 5 | Nguyen Thi Gam | Tester | - Create SRS  - Testing  - Create documents, reports  - Write meeting minutes |

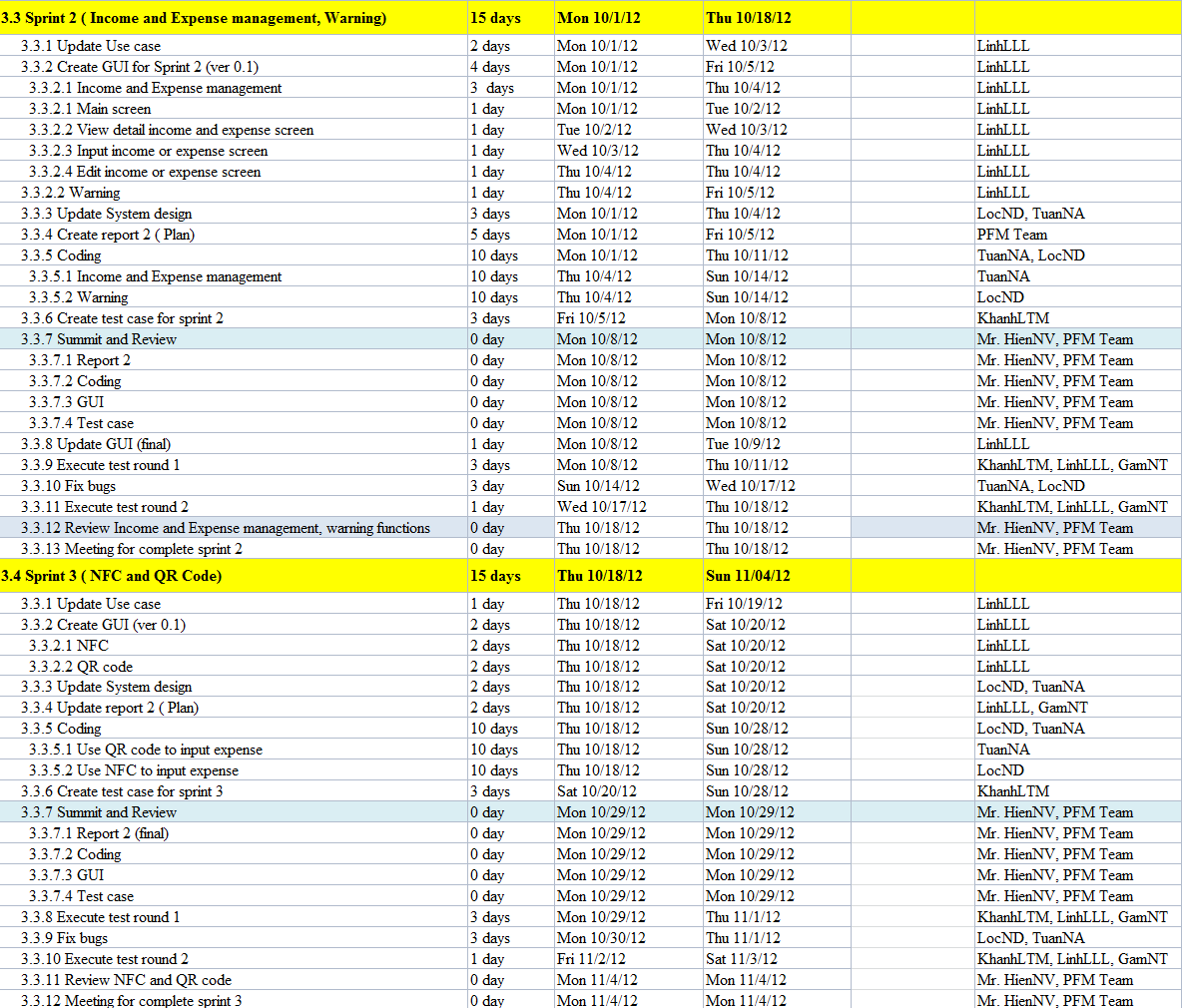
## Tools and Techniques

# Project Management Plan

## Task Sheet: Assignments and Timetable







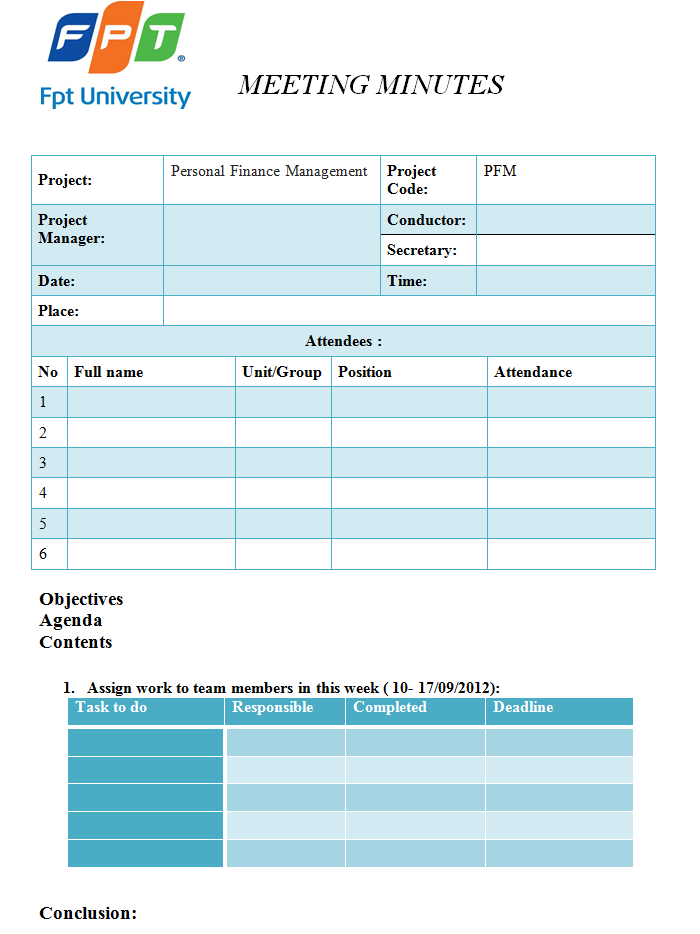


## Risks Management

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Risk Name | Probability | Impact | Description | Solution |
| 1 | Overload |  |  |  |  |
| 2 | Time shortage |  |  | May be time don’t have enough to complete. |  |
| 3 | Design errors |  |  |  |  |
| 4 | Conflict |  |  | Conflicts between team members. |  |
| 5 | Illness or absence of team members |  |  |  |  |
| 6 | Experts not available when needed |  |  |  |  |
| 7 | New technology |  |  |  |  |
| 8 | Changes to requirements |  |  |  |  |

## All Meeting Minutes

Here is a template for meeting minute within the project’s life cycle.



# Coding Convention

## Naming convention

### 4.1.1. Capitalization Styles

We will use the three following conventions for capitalizing identifiers.

* **Pascal case**

The first letter in the identifier and the first letter of each subsequent concatenated word are capitalized. You can use Pascal case for identifiers of three or more characters. For example:

|  |
| --- |
| **B**ack**C**olor |

* **Camel case**

The first letter of an identifier is lowercase and the first letter of each subsequent concatenated word is capitalized. For example:

|  |
| --- |
| **b**ack**C**olor |

### 4.1.2. Field naming convention

* Non-public, non-static field names start with m.
* Static field names start with s.
* Other fields start with a lower case letter.
* Public static final fields (constants) are ALL\_CAPS\_WITH\_UNDERSCORES.

For example:

|  |
| --- |
| public class MyClass {  public static final int SOME\_CONSTANT = 42;  public int publicField;  private static MyClass sSingleton;  int mPackagePrivate;  private int mPrivate;  protected int mProtected;  } |

### 4.1.3. Method naming convention

* Other method names must use Camel case.

### 4.1.4. Interface class naming convention

- Interface class names must use Pascal case and start with I.

For example:

|  |
| --- |
| public interface IMyInterface {  public static final int SOME\_CONSTANT = 42;  public int publicField;  private static MyClass sSingleton;  int mPackagePrivate;  private int mPrivate;  protected int mProtected;  } |