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|  | **MINISTRY OF EDUCATION AND TRAINING** |

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| **FPT UNIVERSITY** | | |
| CAPSTONE PROJECT DOCUMENT | | |
| **MOBILE DATING APPS** | | |
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| **Capstone Project code** |  |

- Ho Chi Minh City, May/2015 -

Table of Contents

[A. Report No.1 Introduction 6](#_Toc419197190)

[1. Project Information 6](#_Toc419197191)

[2. Introduction 6](#_Toc419197192)

[3. Current Situation 6](#_Toc419197193)

[4. Problem Definition 6](#_Toc419197194)

[5. Proposed Solution 6](#_Toc419197195)

[5.1 Feature functions 6](#_Toc419197196)

[5.2 Advantages and disadvantages 6](#_Toc419197197)

[6. Functional Requirements 6](#_Toc419197198)

[7. Role and Responsibility 6](#_Toc419197199)

[B. Report No.2 Software Project Management Plan 8](#_Toc419197200)

[1. Problem Definition 8](#_Toc419197201)

[1.1 Name of this Capstone Project 8](#_Toc419197202)

[1.2 Problem abstract 8](#_Toc419197203)

[1.3 Project Overview 8](#_Toc419197204)

[1.4 Software Process Model 8](#_Toc419197205)

[1.5 Roles and responsibilities 9](#_Toc419197206)

[1.6 Tools and Techniques 10](#_Toc419197207)

[2. Project Management Plan 10](#_Toc419197208)

[2.1 Software development life cycle 10](#_Toc419197209)

[2.2 Phase Detail 10](#_Toc419197210)

[3. Coding Convention 10](#_Toc419197211)

**List of Tables**

[Table 1: Roles and Responsibilities 7](#_Toc419197278)

[Table 2: Project Role and Responsibility 9](#_Toc419197279)

**List of figures**

[Figure 1: SCRUM Overview Diagram 8](#_Toc419197281)

**Definition, Acronyms, and Abbreviations**

|  |  |
| --- | --- |
| **Name** | **Definition** |
| MDA | Mobile Dating Apps |
|  |  |

# Report No.1 Introduction

## Project Information

* Project Name: Site Builder for Product Catalogue
* Project Code: MDA
* Product Type: Mobile application
* Start Date: May 11, 2015
* End Date: September 3, 2015

## Introduction

Human beings are basically social animals. It is of the essence for most people to socialize to avoid the feelings of loneliness. Since the robust of Internet uses over the globe, social media has increasingly become prevalent, aiding the needs for connecting friends and meeting new people. In its midst is the online dating, born out of the desires for novel relationships, friendships, romances or physical satisfactions. As the result of the rapid advancement of mobile phone technology, online dating services quickly switch trend from web-based dating to mobile dating, hence the rise of location-based social media application, GPS Dating App.

Ever since location-based dating apps gained mainstream acceptance, various apps with similar features have been released. However, there have not been many dating services releasing for Vietnamese based customers. The existing Vietnamese dating applications are currently lack of various convenient and exciting features. Therefore, we are passionate to create a new stimulating dating application. This application, while retaining crucial features of a basic GPS dating app, will provide reliable means to meet new people matching ones’ interests that are more advanced than other Vietnamese dating services.

## Current Situation

Zalo, Beetalk and Badoo are the three most popular dating service applications in Viet Nam. Despite their popularities, they do not provide a wide range of features.

* Zalo (Vinagame): Zalo is best known for its voice messaging and are free to use. However, the app is limited in matching and finding friends department.
* Beetalk: Beetalk allows users to find others users who are using the app nearby. However, their matching feature is rather limited, providing only a few of information fields for matching purpose.
* Badoo: Badoo collects a large amount of information about its users. Although it doesn’t have many features as Beetalk, users can easily filter out people with few to none similar interests. However, it doesn’t have good GPS based function.

## Problem Definition

Although many function of social mobile application mentioned above, they provide very weak matching and finding functions. One that has good matching system doesn’t do well on GPS based service. Moreover, dating applications with better features are not yet available in Viet Nam’s market.

## Proposed Solution

### Feature functions

MDA is a mobile based social application. Its main feature is help user makes new friends who match with you base on the similarity of their profiles. MDA is developed to enhance user interface and user experiences. It’s will automatically connect with your current social account (Facebook, Google+) and connect you with your friends list who have used this app.

MDA support basic social communication such as chat or find new friends. It also use GPS based services to define your surround friends which is visible on the map. Moreover, MDA give you enormous chances to find friends you might want to meet by recommendation friends feature base on your friend connection.

### Advantages and disadvantages

- Advantages:

* Easier to find suitable friends.
* Enhance visual view by integrated with map.
* High customized for Vietnamese.

- Disadvantages:

* Requires a large number of users to work well.
* Only support android system at this time

## Functional Requirements

Function requirements of the system are listed as below:

* Mapping current account and friend list from social network (Facebook, Google+)
* Show current location map and display friends nearby user.
* View friend’s profile.
* Suggest friends who users might want to meet base on friend connection.
* Real-time chat with available friends.
* Notify when event occurs.

## Role and Responsibility

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Full Name** | **Role** | **Position** | **Contact** |
| **1** | Nguyễn Huy Hùng | Supervisor | Instructor | hungnh@fpt.edu.vn |
| **2** | Phạm Văn Thắng | Developer | Leader | thangpvse61092@fpt.edu.vn |
| **3** | Man Huỳnh Khương | Developer | Member |  |
| **4** | Lê Văn Hùng | Developer | Member |  |
| **5** | Vũ Nguyễn Anh Khoa | Developer | Member |  |

Table 1: Roles and Responsibilities

# Report No.2 Software Project Management Plan

## Problem Definition

### Name of this Capstone Project

Mobile Dating Apps (MDA).

### Problem abstract

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### Project Overview

#### Current Situation and Disadvantages

.

#### The Proposed System

.

#### Boundaries of System

* .

#### Development Environment

##### Hardware requirement

##### Software requirement

### Software Process Model

In this project, we decided to use the Scrum model for developing.



Figure 1: SCRUM Overview Diagram

Because of the project characteristics, we decide to make progress in series of sprints which are time boxed iterations in one week. At the beginning of one sprint, through sprint planning meeting, all team members will discuss together to define sprint backlog which is suitable to be completed within a week. Daily meeting and online conference are used to manage all activities and issues troubleshoot. At the end of sprint, product owner and developer team will review completed product to figuring out the necessary changes for products.

### Roles and responsibilities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Full name** | **Team Role** | **Scrum Team Role** | **Responsibilities** |
| 1 | Nguyễn Huy Hùng | Supervisor | Product Owner | * Outline work in scrum backlog * Answer question and deliver direction |
| 2. | Phạm Văn Thắng | Team Leader | Scrum Master | * Facilitate productivity – maximize team performance * Complete all individual work |
| 3. | Man Huỳnh Khương | Team Member | Scrum Team Member | * Commit individual product on time * Support each other to complete team work |
| 4 | Lê Văn Hùng | Team Member | Scrum Team Member | * Commit individual product on time * Support each other to complete team work |
| 5 | Vũ Nguyễn Anh Khoa | Team Member | Scrum Team Member | * Commit individual product on time * Support each other to complete team work |

Table 2: Project Role and Responsibility

### Tools and Techniques

## Project Management Plan

### Software development life cycle

Every sprint begins with sprint planning meeting, in which the Product Owner and team discuss the prioritized tasks in product backlog then add that tasks to sprint backlog. Once the time team commit sprint backlog, Product Owner can’t add more task.

During daily meeting, team have online meeting to update task status, discuss solution to challenges. It happens each day of the sprint.

At the ending of the sprint, that have a sprint review meeting, in which team present it works to the Product Owner. Project Owner decides each task is met acceptance criteria or not. If a task isn’t accepted, it’s rejected as incomplete.

All team also gather after end of each sprint to share what worked, what didn’t, and how processes could be improved. This meeting is called the sprint retrospective meeting.

### Phase Detail

#### Phase 1: Sprint 1

## Coding Convention

This project is applied some coding convention rules as listed below.