3.1.1 Introduction

3.1.1.1 Objectives

This is the Software Requirements Specification for the Project manage system. This SRS details the capabilities and functions that the Project manager must be capable of performing .Mobile Project manager được thiết kế để có thể hỗ trợ mọi người quản lý task hằng ngày của mình, mọi người có thể share task với nhau.These requirements will assure that the system will correctly and reliably perform its intended functionality. This specification will provide general, as well as specific requirements to be used in the design, testing and validation of the system.

This is the Software Requirements Specification for the Project manager system. This SRS details the capabilities and functions that the Project manager must be capable of performing. Mobile Project Manager is designed to support people to manage their daily tasks, people can share with each task. These requirements will assure that the system will correctly and reliably perform its intended functionality. This specification will provide general, as well as specific requirements to be used in the design, testing and validation of the system.

3.1.1.2. Scope

Scope requirements xác định General User Requirement Specification , xác định các External Interface Requirement, các function and non-function.

This Software Requirements Specification applies to the Project Manager system, including the Project manager Android applications. MpM giúp mọi người tạo task và quản lý task cho bản than. Ngoài ra nó còn có thể tạo team và tạo project, Phần mềm Project magager có khả năng giúp user có thể add thành viên trong team vào project và assign task cho họ.

Scope requirements is defined General User Requirement Specification, External Interface Requirement, function and non-function.

This Software Requirements Specification applies to the Project Manager system, including the Project manager Android applications. Mobile Project Manager help people create and manage tasks for yourself. It also can create team and project team, system mobile Project manager can help user can add members to the project team and assign tasks to them.

3.1.1.3. Acronym and Definitions

3.1.2 Requirements

3.1.2.1 General User Requirement Specification

Từ những đề xuất của team, qua lấy serveys và thảo luận với user,chúng tôi có 1 lists các yêu cầu như sau

1. Phần mềm cho phép tạo Project va quan ly task trong du an theo cac state
2. Moi project có 3 States mac dinh Todo,doing,done
3. Nguoi dung co the tu tao State moi, Modify cac State
4. Cac task duoc nhom theo State. Co thể cho phép người dùng di chuyển các task qua lại giua cac state bang thao tac kéo thả.
5. Nguoi dung co kha nang tim kiem user va add user vao project
6. Tao team va quan ly team va add tat ca thanh vien trong team vao project
7. Phần mềm có chức năng assign task cho user khác,và có thể quản lý được các user khác
8. Phần mềm phải có chức năng add task , update task, xóa task và list ra các task đã add,.
9. Có chức năng view task theo calender
10. Các task đang làm phải có status thông báo
11. Các task sắp hết hạn phải có status thông báo
12. Khi các task quá hạn phải tự động chuyển status va gui notification den cho nguoi duoc assign
13. Phần mềm phải có chức năng viết Comment cho 1 task
14. Phần mềm phải có chức năng gửi message cho tung member va ca team

From developer team suggestions and surveys, discussions with users, we have got a list of requirements as following :

1. Project Software allows you to create and manage project tasks follow state.
2. Each project has 3 States default is Todo, doing, done.
3. Users can create new State, Modify the State.
4. These tasks are grouped by State. The software allows users to move back and forth between tasks and state with drag drop.
5. The software allows the user can search users and add users to project
6. The software allows users to create teams, manage teams and add all members of team to project.
7. Software functions assign tasks to other users, and can manage other users.
8. Software functional have to add tasks, update tasks, delete tasks and list the tasks that have been added.
9. The system have to view tasks follow calendar
10. The Tasks have to status notify
11. The task status is about to expire must be notify
12. When the overdue tasks to automatically switch status and sends notification to assigned persons
13. Software have to function write comment for task
14. Software have to function send message for each member and all team member

**3.1.2.2 External Interface Requirement**

**3.1.2.2.1. User interfaces**

- Giao diện phần mềm nên trực quan, than thiện dễ dàng cho người sử dụng

**MPM have to support Gestures feature that** allow users to interact with your app by manipulating the screen objects you provide such as long press. Swipe, pinch open, pinch close

- Các item, button bố trí hợp lý,dễ hiểu không làm rối mắt người dùng vì sử dụng trên mobile màn hình nhiều máy không được to lắm nên có thể bấm nhầm button.

- The software interface should be intuitive, friendly easy to use

-Mobile project manager have to support Gestures feature that allow users to interact with your app by manipulating the screen objects you provide such as long press. Swipe, pinch open, pinch close

- The item, logical button layout, easy to understand, not glitzy users, because the use of multiple small mobile screen should be able to press the wrong button

**3.1.2.2.2. Hardware interfaces**

- The system should be deploy online and available to a wide range of hardware devices,specifically,the system should be accessible on any mobile or tablet using android.

-The system should be [Supporting Different Screens](http://developer.android.com/training/basics/supporting-devices/screens.html), Android categorizes device screens using two general properties: size and density. You should expect that your app will be installed on devices with screens that range in both size and density. As such, you should include some alternative resources that optimize your app’s appearance for different screen sizes and densities.

**3.1.2.2.3. Software interfaces**

**-** Trương trình nên chạy được trên tất cả các máy sử dụng hệ điều hành android.

- [Supporting Different Languages](http://developer.android.com/training/basics/supporting-devices/languages.html) ,[Supporting Different Platform Versions](http://developer.android.com/training/basics/supporting-devices/platforms.html)

-Programs should run on all machines using android operating system.

-Software should support multiple versions of android.

-Software interface supports English and Vietnamese.