JUST DO it!

Project Management Plan

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# Introduction and Purpose

*Provide an introduction to what the project is about, and what its purpose is. Also briefly mention what the other parts of the document will contain or discuss.*

Our purpose is to design and build an application that tracks the users running habits complete with GPS tracking to create suitable running paths and a record of the user’s running history. We are trying to help people to achieve their life goals, and to improve their general fitness by tracking the progress of their exercise. We prioritize simplicity and ease of use, to ensure a large market for the program. In addition, in the next few pages, we give a detailed elaboration on the summary of the overall project, the approach and timeline of this project, the personnel, communication, quality and risk management which we had follow in this project.

# Summary of Project

## Assumptions

*You should discuss briefly any assumptions that you’ve had to make to run or manage the project, or what has changed since the functional spec was confirmed in 2A*

There are few assumptions that need to take into account to run the project, which are:

* User doesn’t need to login to use the app which ease the user from using the app and make it faster to use.
* User need stable internet connection and GPS, so that the route can be recorded accurately.
* User use the device that support javascript file.

## Client/Users

*Describe the expected target users/ audience of the app, as well as any stakeholders in this project.*

The expected target of users of the app is mainly the people between the ages from 20 to 40 or even some older than that. The specific target groups could be college students, working adults, and perhaps some elderly. Specifically for the people living in city who lead a busy lifestyle, the need for a user-friendly application that helps to improve the body fitness is high. Besides, the application hopes to provide a good user experience for all the users including the color-blind and visually impaired people. While the stakeholders in this project is a non-profit organization called “Yesterday You Said Tomorrow” (YYST).

## Deliverables

*Outline what the deliverables are – i.e. what will be produced at the end of the project.*

At the end of the project, an app will be produced which will help the users manage their exercise routine/plan. This app will allows the users to keep track of the route they had taken, time, average speed, distance, and the calories burnt that they did during the exercise. The record can be saved and compared later on with the other records.

# Scope

## Approach/Methodology

*Describe briefly how this project will be handled at a high level*

This project is handled using software development methodology which is waterfall method. This method consists of: requirements, design, implementation, verification, and maintenance. We used this method because the requirements are very clear and there is less chance of change.

## Timelines

*Detail the milestones of the project as well as when each will be completed by. Also include dependencies of the listed tasks.*

|  |  |  |
| --- | --- | --- |
| **Task** | **Due date** | **Dependencies** |
| Complete Functional Specification Documents for submission | 13 September 2015 | All members completes their own parts |
| Review on Assignment Part 2A | 23 September 2015 |  |
| Distribute the task of the project | 25 September 2015 | The responsibilities of each member to do their assigned task |
| Coding and sharing through Github and Asana, any updates will be carried out through Asana | 2 October 2015 | All members completes their own parts and share it through Github for any updates and Asana to check the uncompleted tasks |
| Prepare for client presentation | 16 October 2015 | All members presence, so that evaluation can be done for each member for their part |
| Work should be 90% done within this week and application is finalized and checked for bug | 17-19 October 2015 | All members finished their parts on time so that there is enough time to finalized and checked for bug |
| Submission for the project | 20 October 2015 | The finalized app that is ready to be given to the client |
| Client presentation | 21 October 2015 | All members should present, so that the presentation can be carried out successfully based on each member’s part |

*Describe tools and methods that will be used to manage the project schedule / timing / tasks.*

To manage the project we use some tools such as:

1. **GitHub(Coding)** - This can be used for code writing communication where the members of the team can all work on the same code together and it will allow an easier management to the code written.
2. **Asana(Timing and tasks)** - this removes the need for team monitoring though emails regarding the productivity so, instead when asana is used it will be easier to handle task distribution and the progress of the work.

# Personnel/HR management

*Explain how the team members are being managed; i.e. who is working on what, and what tools are used to facilitate this. Reference items from the timeline section*

Our team uses tool like asana to manage the tasks and timeline of our project.

# Communications management

*Describe how the communications is handled within your team.*

To manage the communication in our team we use mobile application like whatsapp, facebook messenger and email to discuss matters and development regarding the app.

# Quality management

*Describe how your team will ensure the quality of different parts of the project.*

To ensure the quality of the project, we distribute our tasks through Asana, which is a tool to keep track what task assigned to each member and the due date of that particular task. This is to ensure that the project can be done on time. Another software that we use to ensure the quality of the project is Github. This software help us to manage the coding part in our team and also this software allows us to fix any problem and commit it to master (team leader) for approval. This way, makes our work more efficient as we can combine and fixed error and bugs which identified from the other member’s part without meet in a face to face to solve the problem.

|  |  |  |
| --- | --- | --- |
| **Features** | **Expected quality to meet** | **Testing of the quality** |
| Choosing the modes | There are 4 modes: Running, Walking, Sprint, and Cycling |  |
| Record | Records the route taken, distance travelled, average speed, time taken and calories burnt | All function works |
| Stop | Stop every function for a while until the user continue the recording |  |
| Finish | Finish the recording and save all the data obtained |  |
| Summary of record | Display the result of the record such as time taken, average speed, distance travelled and calories burnt |  |
| View record | User is able to check the old record |  |

*Tips:*

* *Use key times/ milestones to review particular items (making references to the timelines) and how to distribute that work (making references to your personnel management).* 
  + *In particular, describe what methods should be adopted to ensure the quality of each part matches what is required for the project.*
* *Consider constructing a table listing*
  + *Each feature*
  + *Expected quality to meet*
  + *How you intend to test that this quality is met*
* *(it may be worthwhile linking this back to the user stories you constructed previously)*

# Risk management

*List any possible risks associated with the project and how to mitigate (handle) those risks.*

*An example is provided below.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Risk* | *description* | *Severity* | *likelihood* | *plan/response/mitigation* |
| *Inactive Github and Asana usage* | *If the communication through Github and Asana is not going well, the other team member will have to take that part which increase the work load and the tendency of not meeting the dateline* | *High* | *Medium* | *Control -> Communicate with each other and ensure each other is doing their part* |
| *Loss of internet connection in the middle of recording* | *The user can loss the internet connection in the middle of exercising which will lead to incomplete recording* | *Medium* | *Medium* | *Avoid -> Update the point and data every specific time so that although it happened, it has the checkpoint to start from* |
| *etc.* |  |  |  |  |

*Notes:*

* *Generally, there are four ways to mitigate a risk.*
* *Some can be avoided, some can be controlled or passed onto another party,*
* *But for some, the only option is to accept the risk*
* *Ideally this should only be done for low severity risks, otherwise it may not be wise to pursue a project in its current form*