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Requirements Creep Document

Version 1.0.3

## Introduction

The DO IT! app allows the user to start and stop recording a run. While the user is running, a map is shown to indicate one’s current location. It shows the start and end points of the user’s run. The user may save the route with a name and delete any desired route(s). The user can also select and view one’s routes along with the details such as the average speed, total distance and total time taken. An instructions page is also provided.

## Features

## [Recording a run]

### Justification for inclusion

This is a feature that allows the user to start and stop recording a run. It should be included because this is the main functionality of the app. It adds value to the app by allowing the user to track one’s runs. This is important as it is a basic requirement for any user that wants to start an active lifestyle. For example, one needs to know how long and how far one has run when attempting to keep track of one’s fitness progress.

### Implementation

*Provide a description on how the feature will fit into the app, and how it will work (how the code will run) at a high level.*

*{Example: if you added a random walk (feel free to google random walk if you don’t know what this is) feature to the app. It might fit into the app by having an extra button in the view screen; clicking this button should trigger the random walk, this could have a random spot picked as the start point and then every few seconds the current position is changed in either latitude or longitude by 0.0001 (plus or minus). This continues for one minute and is then stopped and saved as “random walk - [currentDate]”.]*

### Screenshots

here you would include some screenshots of the feature working correctly and possible how to find it. Include however many screenshots you feel are necessary to make it clear what the function does.

## [Presence of a map]

### Justification for inclusion

This map shows the start and end points of a route as well as the line of the route. It is included to allow the user to know one’s current location while running. It is valuable because the user would prefer to have a map as it can prevent the user from getting lost. This is important as one may not remember the route while running.

### Implementation

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### Screenshots

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## [Saving a route]

### Justification for inclusion

This is a feature that allows the user to save one’s route with a name after recording it. It should be included as the user would most probably not be able to remember the route. It adds value to the app by allowing the user to save every route that is recorded with a name. This is highly important as the user would be able to view the route(s) at another time. For example, one can view one’s previous route(s) by referring to the name of the route(s) as it is easier to remember a name compared to an entire route.

### Implementation

*Provide a description on how the feature will fit into the app, and how it will work (how the code will run) at a high level.*

*{Example: if you added a random walk (feel free to google random walk if you don’t know what this is) feature to the app. It might fit into the app by having an extra button in the view screen; clicking this button should trigger the random walk, this could have a random spot picked as the start point and then every few seconds the current position is changed in either latitude or longitude by 0.0001 (plus or minus). This continues for one minute and is then stopped and saved as “random walk - [currentDate]”.]*

### Screenshots

here you would include some screenshots of the feature working correctly and possible how to find it. Include however many screenshots you feel are necessary to make it clear what the function does.

## [Deleting a route]

### Justification for inclusion

This is a feature that enables the user to delete any undesired route(s). It is included to allow the user to save storage space in one’s smartphone. It is valuable as any user would want to delete unnecessary things in one’s smartphone to clear up memory space. This is important as storage on iOS and Android devices have limited storage (depending on their memory space). For example, if one’s iPhone’s storage is full, one would want to be able to delete any unnecessary things to make room for more important documents or photos.

### Implementation

*Provide a description on how the feature will fit into the app, and how it will work (how the code will run) at a high level.*

*{Example: if you added a random walk (feel free to google random walk if you don’t know what this is) feature to the app. It might fit into the app by having an extra button in the view screen; clicking this button should trigger the random walk, this could have a random spot picked as the start point and then every few seconds the current position is changed in either latitude or longitude by 0.0001 (plus or minus). This continues for one minute and is then stopped and saved as “random walk - [currentDate]”.]*

### Screenshots

here you would include some screenshots of the feature working correctly and possible how to find it. Include however many screenshots you feel are necessary to make it clear what the function does.

## [Viewing selected route]

### Justification for inclusion

This is a feature which enables the user to view any of the user’s selected saved route(s). It should be included as the user would want to know where one has ran before. It adds value as it displays the selected route on the map with the start and end points as well as the average speed, total distance and total time taken of the route. This is important because the user would need to know the details to check if one has improved since the previous run.

### Implementation

*Provide a description on how the feature will fit into the app, and how it will work (how the code will run) at a high level.*

*{Example: if you added a random walk (feel free to google random walk if you don’t know what this is) feature to the app. It might fit into the app by having an extra button in the view screen; clicking this button should trigger the random walk, this could have a random spot picked as the start point and then every few seconds the current position is changed in either latitude or longitude by 0.0001 (plus or minus). This continues for one minute and is then stopped and saved as “random walk - [currentDate]”.]*

### Screenshots

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