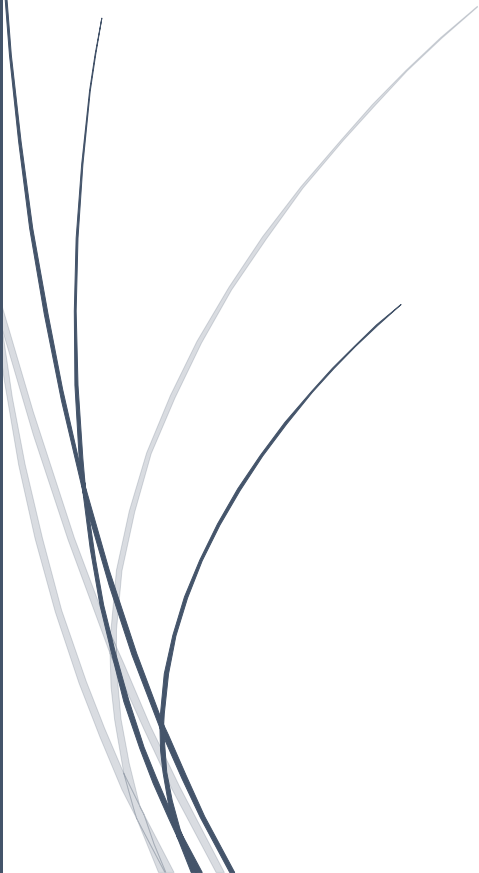


A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from the bar, containing the date.

7/23/2016

# Project proposal

Optimum Hair Finder

Several thin, curved lines in dark blue and light grey originate from the bottom left and sweep upwards and to the right.

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Laura Bokgosi (792647), Keku Mashego (671000),  
Siphamandla Mzobe (850456)

## Team profile

### Team member's strengths

1. Raesetje Bonjo Sefala -Strengths: programming, databases, documentation, leadership, designing interfaces and user experience
2. Laura Bokgoshi –Strengths: Database, User Interface design and Programming.
3. Siphamandla Mzobe -Strengths: Programming, Database, Design and Management.
4. Tshepo Molefe -Strengths: Public Speaking, databases, marketing, programming, documentation, innovative thinking.
5. Keku Mashego- Strengths: programming (development), user interface design, graphics and visualization.

### Positions

Project Manager - Raesetje Bonjo Sefala

Scrum Master - Siphamandla Mzobe

## Proposed Project Description

### Problem Statement

It is often difficult to find out where salons are located if you are in an unfamiliar location. It would also be an inconvenience for the user to go shop for shop to ask which hairstyles specific hair salons offer and/or at what price range specific hair styles are on.

### Proposed System

#### Overview

The proposed system will be web based. The application will allow the user to locate salons in the given location, find out which hairstyles those salons offer and the price ranges.

### Functional requirements

Identifier	Priority	System Requirement
REQ1	2	The system should allow the user to create an account.
REQ2	4	The system should allow the user to change password.
REQ3	4	The system should allow the user to change registered email.
REQ4	4	The system should allow the user to add Salon to their Favorites.
REQ5	4	The system should allow the user to be able to de-activate account
REQ6	2	The system should allow the user to choose to sign up using either Facebook, Gmail or alternative email.
REQ7	1	The system should allow the user to provide following information for signing up: Name and Surname, Email -Address and Gender.
REQ8	5	The system should allow the user to call the Salon number from webpage.
REQ9	1	The system should allow the user to search for salons by name of the salon.
REQ10	5	The system should allow the user to search for salons by Treatments Offered.
REQ11	1	The system should allow the user to search for salons by location.
REQ12	5	The system should allow the user to search for salons by popularity/ratings.
REQ13	5	The system should allow the user to search for salons by Tags.

<b>REQ14</b>	5	<b>The system should allow the user to search for salons by Gender.</b>
<b>REQ15</b>	2	<b>The system should allow the user to order salons by Price range.</b>
<b>REQ16</b>	2	<b>The system should allow the user to order salons by Name of salon.</b>
<b>REQ17</b>	2	<b>The system should allow the user to order salons by Proximity.</b>
<b>REQ18</b>	2	<b>The system should allow the user to order salons by Popularity/ Ratings.</b>
<b>REQ19</b>	3	<b>The system should allow Salons to update information about their business. For example, Salon name, Category, Tags, Address, Contact Information, Website, Rating, Trading hours.</b>
<b>REQ20</b>	3	<b>The system should be able to show the Gallery of pictures provided by the Salon.</b>
<b>REQ21</b>	2	<b>The system should allow the user to browse photos of hairstyles uploaded by salons and other user.</b>
<b>REQ22</b>	3	<b>The system should allow the Salon to upload photos to their Look-Book.</b>
<b>REQ23</b>	3	<b>The system should allow the salons to be able to upload photos of their salon to their gallery.</b>
<b>REQ24</b>	2	<b>The system should allow user comments and ratings by other users.</b>
<b>REQ25</b>	5	<b>The system should allow the user to comment and rate a salon.</b>
<b>REQ26</b>	3	<b>The system should allow the user to view salon location on a map</b>
<b>REQ27</b>	3	<b>The system should allow the user to get a google map route to salon from current location</b>
<b>REQ28</b>	3	<b>The system should allow the user to see how far the salon is from their current location</b>

<b>REQ29</b>	3	<b>The system should allow the user to read the salon's address from the map</b>
<b>REQ30</b>	4	<b>The system should allow the user to browse and search for hair products</b>

## Plan of Action

The project will be divided into the following sections:

### 1. Data Capturing and Research

Considering the amount of data we have to gather, everyone on the team will be involved in the gathering of the data. The Data Capturing team would therefore analyse the data and capture the information in the "Salon Data" Database.

The information to be gathered from the hair salons include: Salon name, Address, Contact Details, Website, Trading Hours, Hairstyles Offers, Price Ranges.

Other research topics may include the use of google maps, ways of giving the user a great user experience on the application and optimising our search algorithm, etc.

### 2. Interface Design

In this phase of the project we will be implementing our research to develop a user-friendly application. We will have a simple interface that will mainly highlight the application's main function, which are to search for the hair salons around the given area, together with the hairstyles and their price ranges, and to present the search results in an intuitive manner.

To achieve this goal, we will be using HTML, CSS and JavaScript.

### 3. Application development

In this phase of the project, we will add interactivity to the website and enabling communication with the databases. Making sure that backend supports what we aim to present to the user (The main functionalities of the application).

To achieve this goal we will be using PHP, MySQL and the Google Maps API.

## Conclusion

Maintaining a good hairstyle is a vital part of our daily lifestyle and image. As such, it would be convenient for the user in an unfamiliar place to have information about the hair salon within their perimeter. Therefore there is a demand for this application.