

# **Software Requirements Specification**

**for**

## **Group 1- BPTA Organiztion**

**Version 1.0**

**Prepared by**

Claude Manning	620117365	manningclaud0@gmail.com
Stefan Mitchell	620112010	stevenbrown2dn@gmail.com
Ayodeji Adedipe	620131873	ayodejiadedipe@outlook.com
Dara-kaye Allen	620106767	dejeaneeka.allen@gmail.com
Orlando Williams	620129478	Kingorlando123@yahoo.com
Rupert Scott	620126951	scottrupert79@gmail.com

**Course Instructor:**

**Dr. Ricardo Anderson**

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**Studio Facilitator:**

**Dr.Claudine Allen**

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## Revisions

Version	Primary Author(s)	Description of Version	Date Completed
Draft Type and Number	Full Name	Information about the revision. This table does not need to be filled in whenever a document is touched, only when the version is being upgraded.	00/00/00

## 1 Overall Description

### 1.1 Product Context and Need

This is a software that allows the church board to increase greater utilization and access to businesses and skills based practices within the church community.

### 1.2 Product Functionality-

There are three major functions that this product is expected to deliver:

- 1) It should allow for members of the church to register their businesses and skills
- 2) It should allow users to access their services based their needs
- 3) It should allow for users to rate the business or the service provided to them. This will be reviewed at a later date by the church board.

### 1.3 Stakeholders and Users Characteristics

There are three major stakeholders:

- 1) The Administrator
- 2) BPTA members
- 3) Customers

2. BPTA members use the system to register their businesses and services with the organization.

Customers use the system to access the businesses and services of the BPTA members.

Administrator controls the system to ensure smooth usage of the system and to ensure there are no security breaches.

3. The Administrator is the most important as they would have the most control over the system. The BPTA members are next as they are the ones that will use the system primarily. And the customers are last as they will be using the system to access the BPTA members.

## **1.4 Operating Environment**

Based on consultation with the stakeholders the software will be operating on computer based systems first before eventually moving to mobile devices. This may include laptops and desktops with the view to moving to cellular devices as the primary mobile device.

## **1.5 Design and Implementation Constraints**

The major constraint in developing the software is lack of knowledge to fully create a sustainable system. Therefore only a prototype would be created with the intention to give it to their administrators to fully develop. Other constraints are lack of proper software to develop a fully functioning software. And finally security design is not fully applicable as due to the previous two constraints this would be an issue to fully develop a secure system.

## **1.6 Assumptions and Dependencies**

There are a large number of current and prospective members of the BPTA, therefore that could cause an overload in the system and may cause the system to malfunction due to the large number of users for which the system is probably not able to manage the load.

## 2 Specific Requirements

### Requirements

Requirement #: R1 Register Business

Use Case: U1 Register a Business

Rationale: System shall allow a business person to register their business or trade

System Requirement:

1. System shall accept name of business owner, name of business, the type of business, the location of the business and contact information.
2. System shall allow business owner to select tags for the registered business
3. System shall assign a unique identification number to the business
4. System shall update the database with the new information

Acceptance Criteria: All fields must be filled to create a business or trade skill

Dependencies: All other requirements

Priority: High

Team Owner: Rupert Scott

Requirement #: R2 Advertise Businesses and Trades

Use case: U2 Display Business

Rationale: System should allow for the user to easily identify the businesses registered

System Requirement :

1. System shall display a business based on parameters selected by the user
2. System shall display the businesses in order of rating starting at the highest ones

Acceptance Criteria: Businesses are displayed based on the parameters set by the user

Dependencies : R4 Rate a Business

Priority: High

Team Owner: Claude Manning

Requirement #: R3 Search for a Business

Use case: U3 Search database

Rationale: System shall allow user to navigate through database and search based on a particular criteria

System Requirement:

1. System shall display all businesses that fit the criteria based on what was entered by the user into the search engine in order of rating starting at the highest rated.
2. System shall display related businesses
3. System shall display information about the business given by the owners at the registration process

Acceptance Criteria: Search for businesses based on various search queries entered by the users

Dependencies: R2 Advertise businesses,R4 Rate a business,R1 Register Business or Trade

Priority: High

Team Owner:Ayodeji Adedipe



Requirement #: R4 Rate a Business

Use case: U4 Rate Business

Rationale: System shall allow people who have used the business to rate the business

System Requirement:

1. System shall prompt the user to rate a business
2. System shall assign the rating to the business
3. System shall calculate the average rating of the business

Acceptance Criteria: Accepts and displays ratings given to business

Dependencies: R5 Flag a business, R6 Rank a business

Priority: Medium

Team Owner: Dara-kaye Allen

Requirement #: R5 Flag Business

Use Case: U5 Flag Business

Rationale: System shall flag businesses with bad rating

System Requirement:

1. System shall select business below a rating of 3 stars
2. System shall display these businesses to administrators

Acceptance Criteria: Businesses below a 3 star rating should be displayed

Dependencies: None

Priority: High

Team Owner: Stefan Mitchell

Requirement #: R6 Rank a Business

Use case: U6 Rank Business

Rationale: System shall indicate business with the lowest rank to administrators.

System Requirement:

1. System shall assign a rank to each business.
2. System shall display businesses under each rank with rank one being the lowest

Acceptance Criteria: Accepts and displays ranking given to business.

Dependencies: R5 Flag a business

Priority: Low

Team Owner: Orlando Williams

## Use Case Diagram

