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SOFTWARE REQUIREMENT SPECIFICATION

**TaxBreeze**

|  |  |
| --- | --- |
| **Prepared for:**  **PricewaterhouseCoopers Private Limited**  Nesco IT Building III, 8th Floor, Nesco IT Park, Nesco Complex,  Gate No. 3 Western Express Highway, Goregaon East Mumbai – 400 063 | **Submission Date:**  **Proposal ID:** |

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Revision History

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| --- | --- |
| ***Document Owner*** | Verbat Technologies LLC |
| ***Document Location*** | This document is only valid on the day it was printed and the electronic version is located at /PMO/SRS |
| ***Document Status*** |  |

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| --- | --- | --- | --- | --- |
| **Revision #** | **Revision Date** | **Description of Change** | **Author** | **Comments** |
| 1.0 | 16 October 2018 | Initial draft | Anusha R J |  |
| 2.0 | 07 November2018 | Changes | Anusha R J |  |
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Document Approval

This document has been accepted and approved by the following:

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| **Signature** | **Printed Name** | **Title** | **Date** |
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# Introduction

This section gives a scope description and overview of everything included in this SRS document. In addition, the purpose of this document is described. The purpose of this document is to give a detailed description of the requirements for the admin part of “TaxBreeze”. The document will illustrate the purpose and complete declaration for the development of the system. This document is primarily intended to be proposed to a customer for approval, and a reference for the development team to develop the first version of the system.

# General description

## Assumptions & Dependencies

One assumption of this application is that it will be using a compatible browser connected to Internet, which are specified in section 4.1.

The upload and download of documents/ files will depend on the internet speed. We assume the internet speed for the users would be adequate for uploading/downloading files of large size. In case the speed is not adequate/stable, downloads/uploads may be interrupted.

The points mentioned below are out of the scope of this project.

* Purchase of images, fonts
* Adding new features to the application other than those mentioned in this document.
* Any language other than English
* Manual data entry
* Hardware integrations / procurement and purchase
* Database migration
* Content writing
* Physical deployment at client’s site
* Backup solution and disaster recovery

# Functional requirement

The application being developed shall have the admin part in order to manage the data and other related activities. The admin has the overall access to the application.

## Requirement Specification

The website will have the following pages. Verbat shall design these pages with appropriate layouts. PWC shall provide Verbat with additional information and guidance to finalize the layout of these pages as well as its content and graphics.

### Login

It allows only authorized user to access the application. After entering login details clicking on Login button directs the user to admin dashboard.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,P3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.1 | * Username * Password * Sign In Button | P1 | H |

### Logout

Clicking on logout option from the dropdown redirects admin to the login page.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.2 | * Logout Button | P1 | L |

### Forgot Password

When the user clicks the forgot password link, the page directs to Forgot password page asking for the mail id. Once the user enters the mail id and on clicking the Submit button, a mail with the reset password link will be sent to the admin’s mail id.

### Change Password

Clicking on change password option from the dropdown directs admin to the Change Password page. After entering current password, new password and confirm password fields, click on submit button to change the password.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.4 | * Current Password field * New Password field * Confirm Password field * Submit Button | P1 | H |

### Dashboard

Admin Dashboard shall provide the system with the features like the Status wise Reports, Number of Admin users, Number of Site users, Number of Resubmits etc. along with the menu.

The menu includes the following options.

#### User Management

There are mainly three user login types: Super Admin, Admin users, and Site users.

Super Admin can manage and view the admin user details. Site user details can be managed by both super admin and admin users. Super Admin can’t set passwords for admin. Once super admin creates an admin account, the admin should get notified through a mail with a link to set the password.

##### Admin Users

Admin users list will be visible for Super admin only. Here User Id, Name, Email Id, Contact Number, Corresponding roles and Action buttons will be displayed. There will be an add button to add more admin users.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.1.1 | * User Id * Name * Email Id * Contact Number * Roles * Actions | P1 | H |

Add/Edit Admin User

Admin users can be add/edit here.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.1.1.1 | * User Id * Name * Email Id * Contact Number * Save button * Cancel button | P1 | H |

##### Site Users

The list of users will be displayed here on basis of the company selected in the company drop down. Here Name, Email Id, Contact Number, Enabled/Disabled and a view button will be displayed. On clicking the view button, a pop up appears with details Bill Number, Invoice Number, the Tax filing status drop down and the Plan drop down. On changing any plan or status, a confirmation will be asked to update it. The Administrator will have the provision to unlock users by using OTP. Users become locked out when they exceed the password locking rules, the number of failed login attempts, or the days of inactivity.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.2 | * Name * Email Id * Contact Number * Enabled/Disabled * View button   View button pop up   * Bill Number * Invoice Number * Tax Filing status drop down * Plan drop down | P1 | H |

#### Manage Corporate Clients

Admin can manage corporate clients here. Admin will have the provision to add, edit and delete corporate client. Also admin can assign a discount amount for all plans to every company.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.2 | * Company name/Business name * Name * Email Id * Actions(Edit/Delete/Discount) | P1 | H |

On clicking on Discount button, a pop up appears with all the plans and corresponding discount amounts.

##### Add/Edit Company

Admin can add or edit company details here. For users who need employ assist services, they have to provide with their GST Number and Address for billing.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.2.1 | * Company name/Business name * Name * Email Id * Contact Number * Password * Domain field * Save button * Assistance Query | P1 | H |

#### Notifications

The notifications for admin when a new user/client gets added will be displayed here. Admin will have to send notifications like Generic notifications, Company wise notification, Selected user notification... here. By default all users will be listed here. Drop down for company list and a check box to select all users will be there. On choosing an option, a pop up will be there to type the notification content along with the Send button. The corresponding receiver will get the notification via email and SMS.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.3 | * User wise list * Company name/Business name drop down * Assessment Year * Select All Users check box   Notify User Pop Up   * Text field * Send button | P1 | H |

#### Plan management

Plan management section lists the plans. On clicking a plan, corresponding inclusions will be listed. Also admin has the provision to Add/Edit/Delete plans.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.5 | * Plan Name | P1 | H |

##### Add plan

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.4.1 | * Assessment Year * Plan Name * Amount * Inclusions * Save button * Cancel button | P1 | H |

#### Video

Admin can upload videos here. Admin can browse and upload multiple videos here. A check box to make the video active will be there corresponding to every URL. The active video will be displayed on the front end. The uploaded video URLs will be shown in a grid along with the status. On clicking the URL, the video will be displayed in a pop up.

##### Add Video

Admin can add videos here by browsing and uploading it.

| **REQUIREMENT ID (RID)** | **DESCRIPTION** | [**PRIORITY LEVELS**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (P1,P2,p3,P4) | [**EFFORT REQUIRED**](file:///C:\Users\Verbat\Desktop\pmp\requirements\Requirements_Gathering_Guidelines_and_Checklists_2.xls#'Document Conventions'!_Toc136410958)  (H,M,L) |
| --- | --- | --- | --- |
| 3.1.5.5.1 | * Browse and Upload button * Make it active check box * Save button * Cancel button | P1 | H |

#### Help Center Content Management

Here category should be managed. Each and every forms in the front end should have help icon. The content for each page should be added here. Admin should be able to add category and corresponding short description and long description here.

##### Add Category

Admin will be able to add category button. While clicking on add category three text fields should appear: Category name, Short description and Long description.

### Resubmission of Returns

If the return submission has failed due to time out or some other technical glitches, admin will get notified and give the trigger by resubmitting the application.

### Revise Returns

Here admin will have the provision to set the revise return amount. Each plan will have different revise return amount.

#### Add Revise Return

Here a drop down with all plans will be listed. On selecting a plan, a field will appear to add the corresponding amount.

### Master Data Management

Admin has to manage all the master data. Master data section includes Investment Category, Account type, Employer Type, Tax Rate, Country, State, Qualifying Percentage, Deduction Age, Financial Year, Customer Status, Plan Types, Promo Codes, Service Types. Admin has to add all these data. Along with Add option, admin can edit/delete/disable these data. So in the grid along with the name Edit, Delete and Status should be shown. Status can be either enabled or disabled. Enabled/Disabled button should be toggled on clicking. If its disabled, then confirmation should be asked and upon success a message should be shown that the disabled item will be shown in already filed taxes and for future adding’s it won’t be available. Also if admin clicks delete, then confirmation to be asked and if no transaction exists then the item should be deleted. If yes then proper message can be shown.

### Reports

Reports such as Client wise report, User wise report, Status wise report, Plan wise report and Year wise report should be displayed to the admin and admin should be able to download each.

### Tax Day Count down

Admin should be able to set tax date and time.

# Other Requirements

This section contains all of the functional and quality requirements of the system. It gives a detailed description of the system and all its features.

## User Interface

*Browser Compatibility*

The Admin module of the application developed will be compatible with the browsers listed below:

1. Firefox 55+
2. Chrome 55+
3. Internet Explorer 11

## Hardware Interface

We recommend the specification mentioned below for the best output.

* Computer with Microsoft Windows XP Professional SP3/Vista SP1/Windows 7 or 8 OS
* Processor: 2.6 GHZ Intel Pentium IV or equivalent
* Memory: 2GB
* Disk Space: 1 GB of free disk space

## Technology for development/Hosting

The application shall be developed using the set of tools/technology listed below.

* **UI/UX Designs**
  + Wire Frames – Gliffy (Tool by Google)/Pencil
  + UI Designs – Photoshop CS6
  + Simulation – Sublime Text 3
* **Development**
  + VISUAL STUDIO 2015
  + ASP.NET 4.5
  + Database Engine – MS SQL SERVER 2012
  + IIS 8

# Non Functional requirement

## Documentations

|  |  |
| --- | --- |
| **ITEM** | **RESPONSE/COMMENT** |
| Project documentation requirements | * Requirements document |

## 

## Security

Hardware and network security will be dependent on the selected cloud/hosting service provider’s infrastructure and credentials.

* The system shall use secure sockets in all transactions that include any confidential customer information.
* The system shall confirm all transactions with the customer’s web browser.

## Data Storage

* The user interfaces shall never display a customer’s password. It shall always be echoed with special characters representing typed characters.
* The system’s back-end servers shall only be accessible to authenticated administrators.

|  |  |
| --- | --- |
| **ITEM** | **REQUIREMENT** |
| Handling Sensitive Data | Insensitive data such as vendor name, documents processed, relevant dates, noncompliance data could be stored in the database as plain text.  Passwords will be encrypted. |
| Security Threats  Prevention | Passwords will be encrypted. Protection against SQL injection will be implemented.  Protection against cross-browser hacks and cross-site scripting (XSS) will be implemented. |
| Access Control | Access control for the application will be through the AD. Individual users will be authenticated with passwords and authorized to access different parts of the site depending on assigned roles. |
| HTTPS | Application will support both HTTP and HTTPS. |

## Usability

|  |  |
| --- | --- |
| **ITEM** | **REQUIREMENT** |
| Documentation | User manuals and other relevant documents will be provided. |
| Time Zones | The prototype application will have UAE Standard Time as its time zone. Time zones cannot be configured in the current version of the application. Wherever applicable, system date and time will be used to represent logical/business/calendar dates. |
| User Interface | The application will be responsive and will be available for mobile devices as well as on a desktop web browser |
| Transactions | Transactions will be ACID (Atomic, Consistent, Isolated and Durable) where required. |

We look forward to hearing from you soon and hope that you will give us the privilege to work with you in meeting your business goals. Thank you.

Thank You



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