



# Sharing Economy Platform

## Business Requirements Document

### V1.0

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## Table of Contents

<b>1.0</b>	<b>Introduction</b>	<b>3</b>
1.1	Purpose of this document	3
1.2	Project Overview	3
1.2.1	Objectives	3
1.3	Intended Audience	3
<b>2.0</b>	<b>Process Architecture</b>	<b>4</b>
<b>3.0</b>	<b>High Level Business Requirements</b>	<b>5</b>
<b>4.0</b>	<b>Detailed Business Requirements</b>	<b>6</b>
4.1	Functional Requirements	6
<b>5.0</b>	<b>References</b>	<b>13</b>
5.1	Table 1.0	13
5.2	Table 2.0	14
5.3	Table 3.0	14
<b>6.0</b>	<b>Terms and conditions</b>	<b>15</b>
<b>7.0</b>	<b>Change Log</b>	<b>15</b>



# 1.0 Introduction

## 1.1 Purpose of this document

This document is aimed at:

- Providing the necessary inputs to the detailed requirements gathering phase and further on for the SDLC processes.
- This document also serves to establish the traceability between the Business Objectives and the requirements identified in the proposed solution and how they satisfy the stated objectives.
- Provide expectation traceability in terms of the requirements and the user expectation
- Serves as a formal template for documenting the Business Requirements which also includes statutory and regulatory requirements.

The purpose of this document is to systematically capture requirements for the project and the system to be developed. Functional requirements are captured in this document. It also serves as the input for the project scoping.

## 1.2 Project Overview

### 1.2.1 Objectives

Below are the objectives that shall be fulfilled post the execution of this project:

- User registration & credential authentication.
- Vendor registration & credential authentication.
- Procurement of product / service information for the vendors.
- Listing of the available product / services and enabling user to make selection.
- Upon selection, list the details of the vendor.

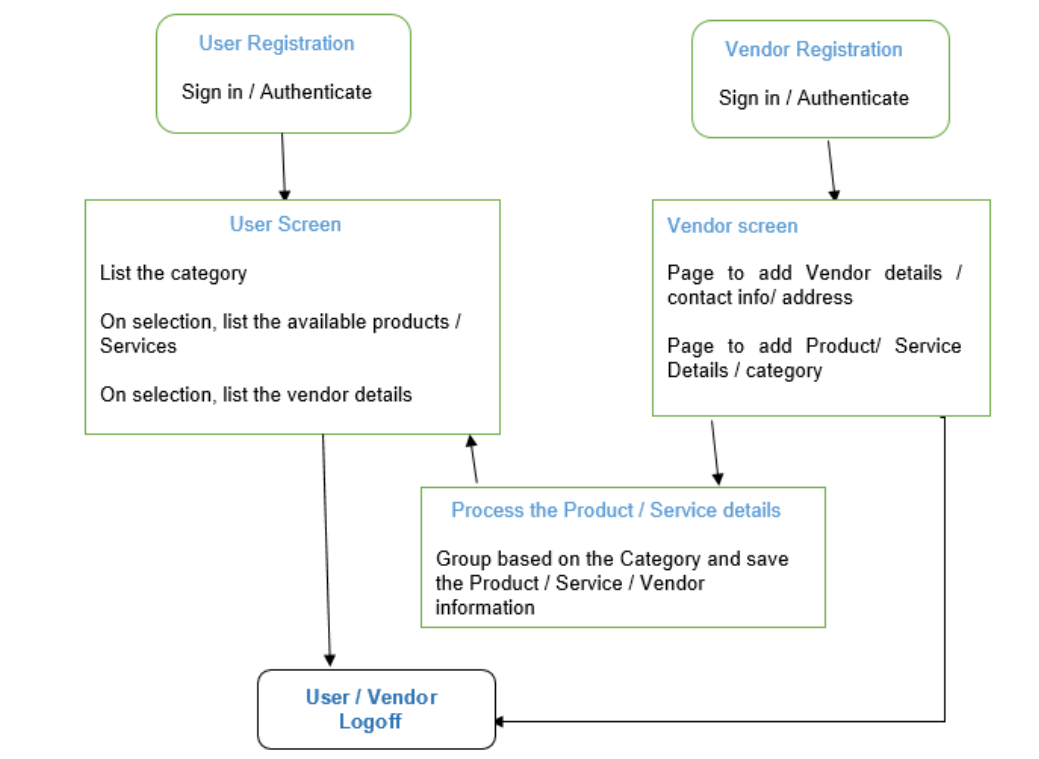
## 1.3 Intended Audience

- All member of the project.
- Delivery Assurance Group.

## 2.0 Process Architecture

Below is the overall functional flow of the project including the components of interaction

- Create User / Vendor Registration page & Authentication.
- Get and manage Vendor details
- Get the Product /Service details and Categorize them
- Based on User selection, display the items under the category.
- On selection display the product/service and the Vendor details.
- Get / Update the Category details.
- Disconnect on log off.



## 3.0 High Level Business Requirements

Note - Primary focus is to complete developing the critical requirements (highlighted in Yellow) and then to proceed with the remaining requirements.

S.No.	Business Requirement ID	Short Description	Description in detail	Interacting Business Processes
1	Req_1	Initial Selection	Ability of the system to allow to user to choose Vendor/User Login/Registration	
2	Req_2	User Registration	Ability of the system to procure the fundamental details of the user	
3	Req_3	User Authentication	Ability of the system to authenticate the user credentials of the registered user	
4	Req_4	Vendor Registration	Ability of the system to procure the fundamental details of the vendor	
5	Req_5	Vendor Authentication	Ability of the system to authenticate the Vendor credentials of the registered Vendor	
6	Req_6	Vendor details	Ability of the system to procure the Vendor contact details	
7	Req_7	Product/Service details	Ability of the system to procure the Product/Service details	
8	Req_8	Categorize Product/ Service	Ability of the system to group the Product / Services available based on the category	
9	Req_9	Display Product/ Service	Ability of the system to display the Product / Services available based on the category	
10	Req_10	User logoff	Ability of the system to enable User to logoff	
11	Req_11	Category listing	Ability of the system to list / update category by Vendor	
12	Req_12	Availing service	Ability of the system to allow the user to avail the service	
13	Req_13	Booking service	Ability of the system to allow the user to book the service	
14	Req_14	Providing service	Ability of the system to maintain the status of the service booked	

15	Req_15	Service- User review	Ability of the system to allow the user to write review	
16	Req_16	Availing product	Ability of the system to allow user to avail the product	
17	Req_17	Bill Generation	Ability of the system to generate bill	
18	Req_18	Payment	Ability of the system to allow user to pay for the product	
19	Req_19	Product- User review	Ability of the system to allow user to write review for the product	

## 4.0 Detailed Business Requirements

### 4.1 Functional Requirements

The Requirements in this document are prioritized as follows:

Value	Rating	Description
1	Critical	This requirement is critical to the success of the project. The project will not be possible without this requirement.
2	High	This requirement is high priority, but the project can be implemented at a bare minimum without this requirement.
3	Medium	This requirement is somewhat important, as it provides some value but the project can proceed without it.
4	Low	This is a low priority requirement, or a "nice to have" feature, if time and cost allow it.
5	Future	This requirement is out of scope for this project, and has been included here for a possible future release.

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
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Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_1.1	Initial selection	Screen should display the option for Vendor login / Registration and User login / Registration	UI	Critical	NA	Req_1	
Req_2.1	User Registration	When the user clicks on the registration link, it should re-direct to registration form.	UI	Critical	NA	Req_2	
Req_2.2	User Registration	User needs to fill some of the basic attributes/fields as mentioned below in requirement: First Name, Last Name, Age, Gender, Contact Number, User Id, Password	UI	Critical	NA	Req_2	Please refer to Table 1.0 under References
Req_2.3	User Registration	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_2	
Req_2.4	User Registration	User failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	E	Medium	NA	Req_2	
Req_2.5	User Registration	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_2	
Req_2.6	User Registration	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_2	
Req_3.1	Credential Authentication	A registered user – is able click 'Login' link, after keying in 'User ID' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Critical	NA	Req_3	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_4.1	Vendor Registration	When the Vendor clicks on the registration link, it should re-direct to registration form.	UI	Critical	NA	Req_4	
Req_4.2	Vendor Registration	Vendor needs to fill some of the basic attributes/fields as mentioned below in requirement: First Name, Last Name, Age, Gender, Contact Number, Vendor Id, Password	UI	Critical	NA	Req_4	Please refer to Table 2.0 under References
Req_4.3	Vendor Registration	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_4	
Req_4.4	Vendor Registration	Vendor failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	E	Medium	NA	Req_4	
Req_4.5	Vendor Registration	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_4	
Req_4.6	Vendor Registration	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_4	
Req_5.1	Credential Authentication	A registered user – is able click 'Login' link, after keying in 'Vendor ID' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Critical	NA	Req_5	
Req_6.1	Vendor Details	Vendor should be able to fill in his details like address/ phone number, email and other contact information.	UI	Critical	NA	Req_6	Please refer to Table 3.0 under References



Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_6.2	Vendor Details	Vendor should be able to update his existing details	F	Critical	NA	Req_6	
Req_7.1	Product / Service details	Vendor should have the option to select the type as Product or service	UI	Critical	NA	Req_7	
Req_7.2	Product / Service details	Category list should be available for the vendor to choose his product category if Vendor is selecting "Product" option	UI	Critical	NA	Req_7	
Req_7.3	Product / Service details	Category list should be available for the vendor to choose his product category if Vendor is selecting "Service" option	UI	Critical	NA	Req_7	
Req_7.4	Product / Service details	Vendor providing service should provide the contact details, available time and Maps option to locate	UI	Critical	NA	Req_7	
Req_7.5	Product / Service details	Vendor should be able to update his product details / service details	F	Critical	NA	Req_7	
Req_7.6	Product / Service details	All category divisions available should be listed for the Product / Service and Vendor should be able to select one.	F	Critical	NA	Req_7	
Req_7.7	Product / Service details	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_7	
Req_7.8	Product / Service details	Vendor failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	F	Critical	NA	Req_7	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_7.9	Product / Service details	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_7	
Req_7.10	Product / Service details	The product /service details entered saved should be linked with the vendor ID creating it	F	Critical	NA	Req_7	
Req_7.11	Product / Service details	Vendor should have the option to edit / delete the Product / Service details entered by them.	F	Critical	NA	Req_7	
Req_8.1	Categorize Product/ Service	Based on the category selected by the vendor the system should save the details of the product entered in the database.	F	Critical	NA	Req_8	
Req_9.1	Display Product/ Service	Option for the user to select product or service	UI	Critical	NA	Req_9	
Req_9.2	Display Product/ Service	Based on the user selection, display the categories available for the Products / Services	F	Critical	NA	Req_9	
Req_9.3	Display Product/ Service	Based on the selection display the Products / Services	F	Critical	NA	Req_9	
Req_9.4	Display Product/ Service	Based on the Product / Service selected, display the item details and the Vendor details	F	Critical	NA	Req_9	
Req_10.1	User Log off	Option to log off from the system.	UI	Critical	NA	Req_10	
Req_11.1	Category listing	Option for the vendor to view the categories available	UI	Critical	NA	Req_11	
Req_11.2	Category Listing	Option for the vendor to add the category if it is not available in the list	F	Critical	NA	Req_11	
Req_11.3	Category Listing	On adding the category, the details should be updated in the database	F	Critical	NA	Req_11	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_11.4	Category Listing	On successful update, "Details updated successfully" message should be displayed.	E	Medium	NA	Req_11	
Req_12.1	Availing service	User On viewing the list of service should be able to select the service he needs	E	Medium	NA	Req_12	
Req_12.2	Availing service	On selecting the service type, user should be displayed with the list of vendors providing the service	E	Medium	NA	Req_12	
Req_12.3	Availing service	User should have the option to search based on the location.	E	Medium	NA	Req_12	
Req_12.4	Availing service	System should list the vendors based on the location	E	Medium	NA	Req_12	
Req_12.5	Availing service	System should show the required details to contact the service provider	E	Medium	NA	Req_12	
13.1	Booking service	User should be able to book the vendor service they require	E	Medium	NA	Req_13	
13.2	Booking service	On selecting the service user should be directed to payment gateway	E	Medium	NA	Req_13	
13.2	Booking service	On successful booking of the service, notification message should be sent to the user and the vendor	E	Medium	NA	Req_13	
13.3	Booking service	Status should be maintained for the booked service.	E	Medium	NA	Req_13	
14.1	Providing service	Vendor on providing the service as per the booking, should mark the status of the booking as closed	E	Medium	NA	Req_14	
15.1	Service -User review	Notification should be sent to user on closing the service to update the review for the service provided	E	Medium	NA	Req_15	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_16.1	Availing product	User On viewing the list of product, user should be able to select the product type he needs	E	Medium	NA	Req_16	
Req_16.2	Availing product	On selecting the product type, user should be displayed with the available product of the particular type from all the vendors	E	Medium	NA	Req_16	
Req_16.3	Availing product	User should have the option to filter based on the vendor /price etc	E	Medium	NA	Req_16	
Req_16.4	Availing product	System should list the product based on the filter selected by the user	E	Medium	NA	Req_16	
Req_16.5	Availing product	Reset/clear option should be available to clear the filter.	E	Medium	NA	Req_16	
Req_16.6	Availing product	User should be able to select the product required and add to the cart.	E	Medium	NA	Req_16	
Req_16.7	Availing product	User should be able to view the selected the product in the cart.	E	Medium	NA	Req_16	
Req_16.8	Availing product	User should have the option to increase or decrease the number of product selected	E	Medium	NA	Req_16	
Req_16.9	Availing product	User should have the option to delete items from the cart	E	Medium	NA	Req_16	
Req_16.10	Availing product	Price of the items should be displayed while viewing the cart accordingly (on deleting or adding the product)	E	Medium	NA	Req_16	
Req_16.11	Availing product	User should have option to proceed to pay	E	Medium	NA	Req_16	
Req_17.1	Bill Generation	After clicking the proceed button the user will be redirected to payment gateway and the corresponding bill details will be stored in database.	F	Critical	NA	Req_17	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_17.2	Bill Generation	Provide an option for the user to Print the bill.	F	High	NA	Req_17	
Req_18.1	Payment	The user will pay the corresponding bill amount through the gateway and he/she will have different options to pay the amount like Credit card,debit card,upi.	F	Critical	NA	Req_18	Implement Mock payment method
Req_18.2	Payment	Upon selection of the mode of payment different files will come for different options and user will fill those files	F	Critical	NA	Req_18	
Req_18.3	Payment	After successful payment the user will be displayed a success message that 'Payment is successful' and the status of the bill should be changed from 'pending' to 'paid' in the database.	F	Critical	NA	Req_18	
Req_18.4	Payment	Provide an option for the user to Print the bill.	F	Critical	NA	Req_18	
Req_19.1	Product user review	Notification should be sent to review the product on receiving the product.	E	Medium	NA	Req_19	

## 5.0 References

**Note:** The below listed Table Fields/Values are created for simple reference. Details can be altered (Added/Removed/Modified) as required during the course of project progress to suit the requirements.

### 5.1 Table 1.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female

Contact Number	Text(10)	Numeric	No	
User ID	Text(15)	Alphanumeric	Yes	
Password	Text(15)	Alphanumeric	Yes	

## 5.2 Table 2.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	No	
Gender	Drop Down	NA		Male, Female
Contact Number	Text(10)	Numeric	Yes	
Vendor User Id	Text(15)	Alphanumeric	Yes	
Password	Text(15)	Alphanumeric	Yes	

## 5.3 Table 3.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Vendor User Id	Text(15)	Alphanumeric	Yes	
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Drop Down	NA	No	18-120
Gender	Drop Down	NA		Male, Female
Contact Number	Text(10)	Numeric	Yes	
Vendor ID	Auto-generated(5)	Numeric	Yes	Non-editable system generated text
Address	Scrolling text box(100)	Alphanumeric	Yes	
City	Text(50)	Alphabetic	Yes	
Zip Code	Text(10)	Numeric	Yes	
Landline	Text(10)	Numeric	No	
E Mail	Text(50)	Alphanumeric	Yes	
Other contact info	Text(100)	Alphanumeric	No	

## 6.0 Terms and conditions

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## 7.0 Change Log

Version Number	Changes Made			
V1.0.0	Initial baseline created on 31/01/2019 by Manonmani Guruswamy			
Vx.y.z	<Please refer the configuration control tool / change item status form if the details of changes are maintained separately. If not, the template given below needs to be followed>			
	Section No.	Changed By	Effective Date	Changes Effectuated

