



E-Learning Managment

Business Requirements Document

V1.0

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1.0 Introduction

1.1 Purpose of this document

This document is aimed at basically:

- Providing the necessary inputs to the detailed requirements gathering phase and further on for the SDLC processes.
- 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.
- 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.

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:

- Role based registration & credential authentication
- Listing the services on database
- Availaling the service
- Generation of bill
- Obtaining vendor/subscriber information
- Accessing the cources based on service subscribed

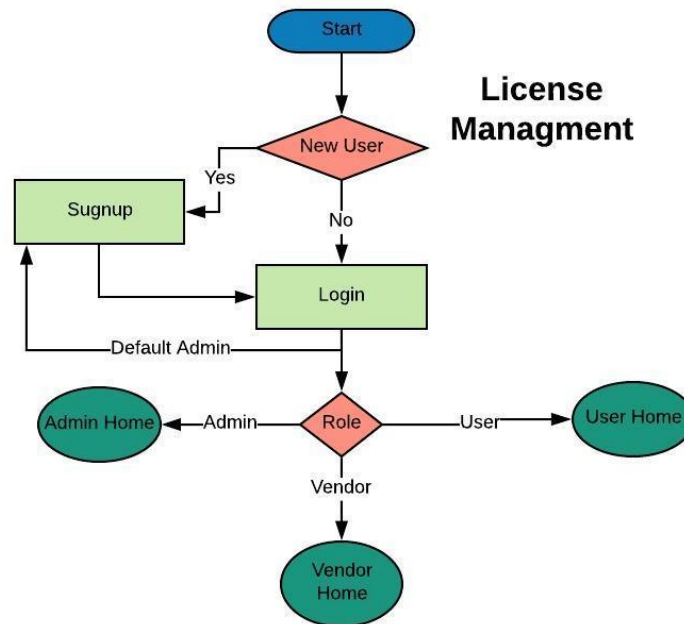
1.3 Intended Audience

- All members of the project.
- Delivery assurance/excellence group

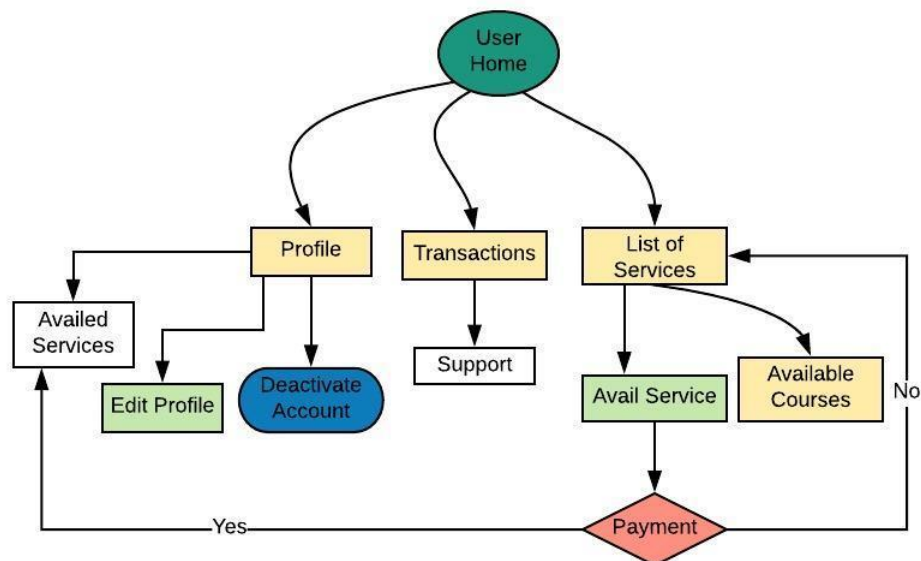
2.0 Process Architecture

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

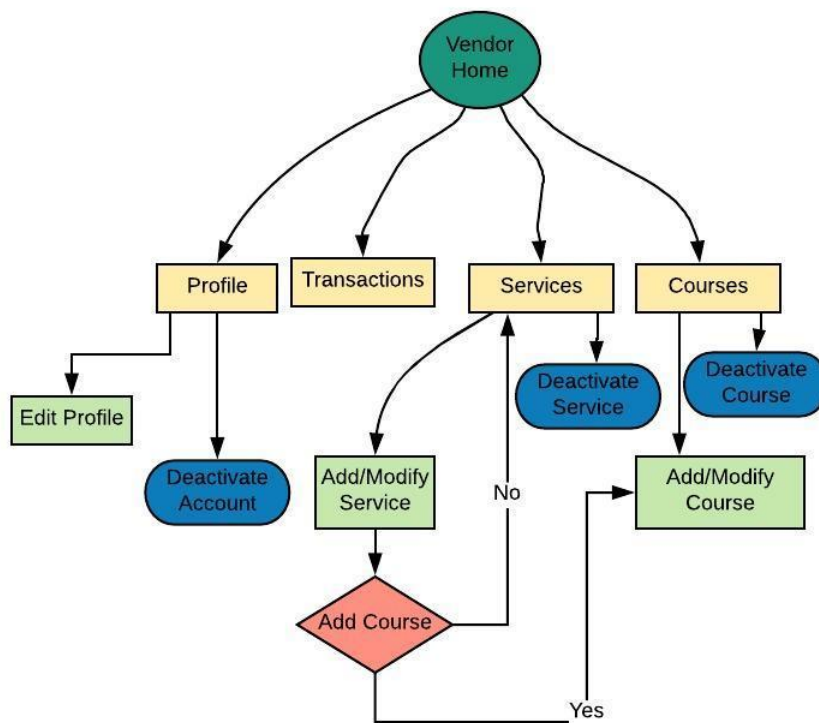
2.1 Login/Signup



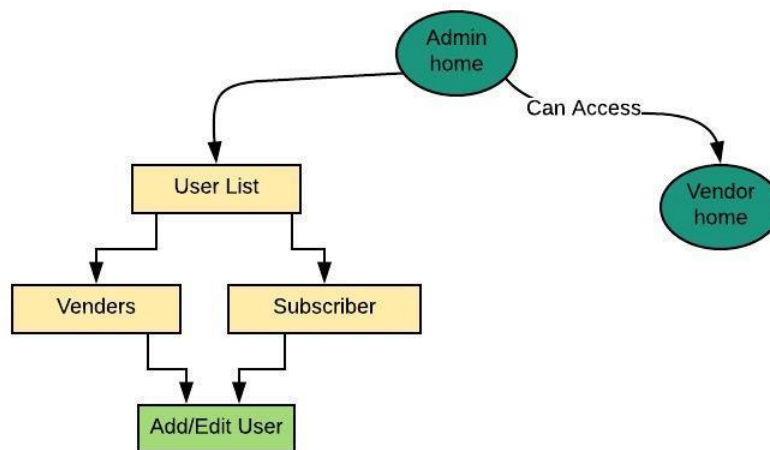
2.1 User Home



2.2 Vendor Home



2.1 Admin Home



3.0 High Level Business Requirements

S.No.	Business Requirement ID	Short Description	Description in detail	Interacting Business Processes
1	Req_1	Default Registration	Ability of the system to make first user as admin who can initiate functionality of system	
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 and proceed with user role.	
4	Req_4	Admin Home	Ability of the system to raise admin ui when Admin is logged in	
5	Req_5	User Home	Ability of the system to raise user ui when user is logged in	
6	Req_6	Vendor Home	Ability of the system to raise vender ui when a vendor is logged in.	
7	Req_7	Listing Service	Ability of vendor to add services in the system which can be availed by subscriber	
8	Req_8	Listing Courses	Ability of the System to add courses to the system and link it with service	

4.0 Detailed Business Requirements

4.1 Functional Requirements

The functional requirements are charted for each of the high level requirements called out in the earlier section:

Additionally, the following elements are captured for each business requirement in the table provided below:-

* Req. Type = (F Core Functionality, E Exception, UI User Interface, R Reporting)

** Priority of Requirement = (1=Base Functionality, 2=Advanced Functionality, 3=Additional Opportunities)

** Originator = (Name of the business process of the system/ department or function name in the customer organization)

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	Remarks
Req_1.1	Default Registration	When the first user clicks on login link, on default user credential authentication, it should re-direct to registration form.	UI	Critical	NA	Req_1	
Req_2.1	User Registration	The Default User will override the default user by giving his information in the user form.	UI	Critical	NA	Req_2	Please refer to Table 5.1 under References
Req_2.2	User Registration	When the user clicks on the signup, it should re-direct to signup form.	UI	Critical	NA	Req_2	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
Req_2.3	User Registration	Although all fields in the user table are required, a check needs to be done	F	Medium	NA	Req_2	
Req_2.4	User Registration	Field of User: Name should be in range 4-50 Age should not be less than 18 Contact should be of 10 digits Password should be of minimum 6 letters Address should be an id from Address Table refer to table 5.2 Role should be an id from Role Table refer to table 5.2	F	Medium	NA		Please refer to Table 5.1, 5.2, 5.3 under References
Req_2.5	User Registration	If user failed to provide Name an error in red should be shown as "Name should be of minimum 4 letters"	E	High	NA	Req_2	
Req_2.6	User Registration	If user failed to provide Age or valid age an error in red should be shown as "age should be of minimum 18"	E	High	NA	Req_2	
Req_2.7	User Registration	If user failed to provide Contact, an error in red should be shown as "Contact should be of Integer and minimum of 10 digits"	E	High	NA	Req_2	
Req_2.8	User Registration	If user failed to provide valid password, an error in red should be shown as "Invalid password", and valid password structure	E	High	NA	Req_2	
Req_2.9	User Registration	If user failed to provide every mandatory fields, an error in red should be shown as "Address is Mandatory"	E	High	NA	Req_2	
Req_2.10	User Registration	Clicking on signup button with valid values, the customer will be redirected to login page	F	High	NA	Req_2	
Req_3.1	User Authentication	A registered user – is able click 'Login' link, after keying in 'ID' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Critical	NA	Req_3	
Req_3.2	User Authentication	If the credentials are not authenticated, a message in red should be sent saying "Invalid ID or password"	UI	Critical	NA	Req_3	
Req_3.3	User Authentication	If credentials are authenticated, Role of the user should be provided from the database for registered user, which will redirect it to home page of: user, vendor, admin	UI	Critical	NA	Req_3	
Req_4.1	Admin Home	If the Role is received as Admin, Admin ui should pop up	F	Critical	NA	Req_4	
Req_4.2	Admin Home	Admin can see the user list	UI	Critical	NA	Req_4	
Req_4.3	Admin Home	Admin can add a filter user list based on the role	UI	Critical	NA	Req_4	
Req_4.4	Admin Home	Admin can add/update a user/vendor on clicking "add user" link	F	Critical	NA	Req_4	



Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
Req_4.5	Admin Home	Admin can modify the role of user	F	Critical	NA	Req_4	
Req_4.5	Admin Home	Admin can block the user/vendor	F	Critical	NA	Req_4	
Req_4.6	Admin Home	Admin can act like a vendor (should have all write to access data)	F	Critical	NA	Req_4	
Req_5.1	User Home	If the Role is received as User, user ui should pop up which have 3 links profile, history, Online Services	F	Critical	NA	Req_5	
Req_5.2	User Home	If user click on profile, a form should pop up and he can edit his information.	F	Critical	NA	Req_5	
Req_5.3	User Home	Field: Name and id will be locked on edit, other fields can be edited as same Req_2.4	UI	Medium	NA	Req_5	
Req_5.4	User Home	In profile form, user can also deactivate his account by clicking on "deactivate"	F	Critical	NA	Req_5	
Req_5.5	User Home	Deactivate account should be confirmed using confirm box	UI	Critical	NA	Req_5	
Req_5.6	User Home	Clicking on transaction link, user should be redirected to his transactions.	UI	Critical	NA	Req_5	
Req_5.7	User Home	Clicking on transaction link, user should be redirected to his transactions where he can seek support for each transaction. Clickinh on which transaction info will be sent to admin	F	Critical	NA	Req_5	
Req_5.8	User Home	3 rd link, which will be the landing page of user home, should contain all the available services from different vendor, though he can purchase any service.	UI	Critical	NA	Req_5	
Req_5.9	User Home	On Purchase link, user should be redirected to payment receipt link, which should be confirmed by user whether he is sure to purchase that service.	UI, F	Critical	NA	Req_5	
Req_5.10	User Home	Service should contain all the ids of courses that should be accessed after purchase.	UI	Critical	NA	Req_5	
Req_5.11	User Home	On confirming the user should be redirected to availed services in profile which contain all the available purchased services in database.	F	Critical	NA	Req_5	
Req_5.12	User Home	If user failed to confirm he should be redirected to available service page	F	Critical	NA	Req_5	
Req_5.13	User Home	On clicking on logout user should be logout of the system.	UI	Critical	NA	Req_5	
Req_6.1	Vendor Home	If the Role is received as Vendor, vendor ui should pop up which should have 3 links- profile, history, Online Services				Req_6	
Req_6.2	Vendor Home	If user click on profile, a form should pop up and he can edit his information.	F	Critical	NA	Req_6	
Req_6.3	Vendor Home	Field: Name and id will be locked on edit, other fields can be edited as same Req_2.4	UI	Medium	NA	Req_6	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
Req_6.4	Vendor Home	In profile form, user can also deactivate his account by clicking on "deactivate"	F	Critical	NA	Req_6	
Req_6.5	Vendor Home	Deactivate account should be confirmed using confirm box	UI	Critical	NA	Req_6	
Req_6.6	Vendor Home	Clicking on transaction link, user should be redirected to his transactions.	UI	Critical	NA	Req_6	
Req_6.7	Vendor Home	Clicking on transaction link, user should be redirected to his transactions where he can seek support for each transaction. Clicking on which transaction info should be sent to admin	F	Critical	NA	Req_6	
Req_6.7	Vendor Home	Vendor can see all the transaction made in favor of his service	F	Critical	NA	Req_6	
Req_6.7	Vendor Home	Vendor can seek support from admin for all the transaction made in favor of his service	F	Critical	NA	Req_6	
Req_7.1	Listing Service	Service can be list by Admin or vendor	F	Critical	NA	Req_7	
Req_7.2	Listing Service	If Admin is adding service, he has to provide the service with vendor object	F	Critical	NA	Req_7	
Req_7.3	Listing Service	If vendor is adding service, he only has to fill the add service	F	Critical	NA	Req_7	
Req_7.4	Listing Service	Admin or vendor can activate or deactivate a service	F	Critical	NA	Req_7	
Req_7.5	Listing Service	Admin or vendor can join a course with service	F	Critical	NA	Req_7	
Req_8.1	Listing Course	Admin or vendor can add a course	F	Critical	NA	Req_8	
Req_8.2	Listing Course	Admin or vendor can edit a course	F	Critical	NA	Req_8	
Req_8.3	Listing Course	On clicking on edit a form should be pop up	UI	Critical	NA	Req_8	
Req_8.4	Listing Course	With valid input clicking on Add/update will update the database	F	Critical	NA	Req_8	
Req_8.5	Listing Course	Admin or vendor can activate or deactivate a course	F	Critical	NA	Req_8	

5.0 References

5.1 Table : User

Field Name	Field Type	Data Type	Mandatory	Possible Values
Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female
Contact Number	Text(10)	Numeric	No	
Address	Address	Numeric	Yes	Address Table ID
Password	Text(15)	Alphanumeric	Yes	
Role	Role	Numeric	Yes	1, 2

5.2 Table : Address

Field Name	Field Type	Data Type	Mandatory	Possible Values
Address Line 1	Text(50)	Alphanumeric	Yes	
Address Line 2	Text(50)	Alphanumeric	no	
City	Text(15)	Alphabetic	Yes	
State	Text(15)	Alphabetic		
Country	Text(15)	Numeric	Yes	
Pin Code	INT	Numeric	Yes	

5.3 Table : Role

Field Name	Field Type	Data Type	Mandatory	Possible Values
Name	Text(50)	Alphabetic	Yes	
Code	Text(3)	Alphanumeric	Yes	

5.4 Table : Service

Field Name	Field Type	Data Type	Mandatory	Possible Values
Name	Text(100)	Alphanumeric	Yes	
Code	Text(15)	Alphanumeric	Yes	
Duration	Numeric	Numeric	Yes	
amount	Numeric	Numeric	Yes	

5.5 Table : Course

Field Name	Field Type	Data Type	Mandatory	Possible Values
Name	Text(50)	Alphabetic	Yes	
Code	Text(15)	Alphabetic	Yes	

5.6 Table : Service_Course

Field Name	Field Type	Data Type	Mandatory	Possible Values
Service	Service	Numeric	Yes	
Course	Course	Numeric	Yes	

5.7 Table : User_Service

Field Name	Field Type	Data Type	Mandatory	Possible Values
Service	Service	Numeric	Yes	
User	User	Numeric	Yes	

6.0 Terms and conditions

Interns shall be solely responsible for all its acts and omissions under this program. Interns will comply at all times with all applicable laws. Interns shall not use Cognizant's name, logo and trademark in any promotional materials or other communications with third parties without the prior written consent of Cognizant. Any materials used by interns in relation to program will not infringe the copyrights, trademarks, patents, trade secrets or other intellectual property rights, privacy or similar rights of any person or entity. Interns agrees not to post, draw, make, display any content that is threatening, libelous, obscene, defamatory, abusive, pornographic, or advocates/encourages any conduct that could constitute a criminal offence or give rise to any civil liability. Cognizant its associates' personal details including but not limited to name, address, contact number shall not be shared or forwarded to any third party, without prior written consent of Cognizant, its associates. All intellectual property provided by Cognizant as part of program shall be owned exclusively by Cognizant. Intern shall indemnify, defend and indemnify Cognizant its associates, officers, directors from and against any claims, demands, loss, damage, liability, causes of action, judgments, or costs and expenses of every nature (including attorney's fees and expenses) incurred by Cognizant based on any claim that any breach of terms and conditions of this program.

7.0 Change Log

Version Number	Changes Made			
V1.0.0	Initial baseline created on <01/02/2019> by <Adil Ansari(729745)>			
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