



Teacher Student Connect

Business Requirements Document

V1.0

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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 the requirements of the project and the system to be developed. The document also captures the Functional requirements and serves as an input for the scope of project.

1.2 Project Overview

Creating an online Repository that contains a collection of learning and teaching materials flowing from Teachers and Students on a regular basis.

An Interactive UI platform that allows the Teachers and Students to digitally connect.

1.2.1 Objectives

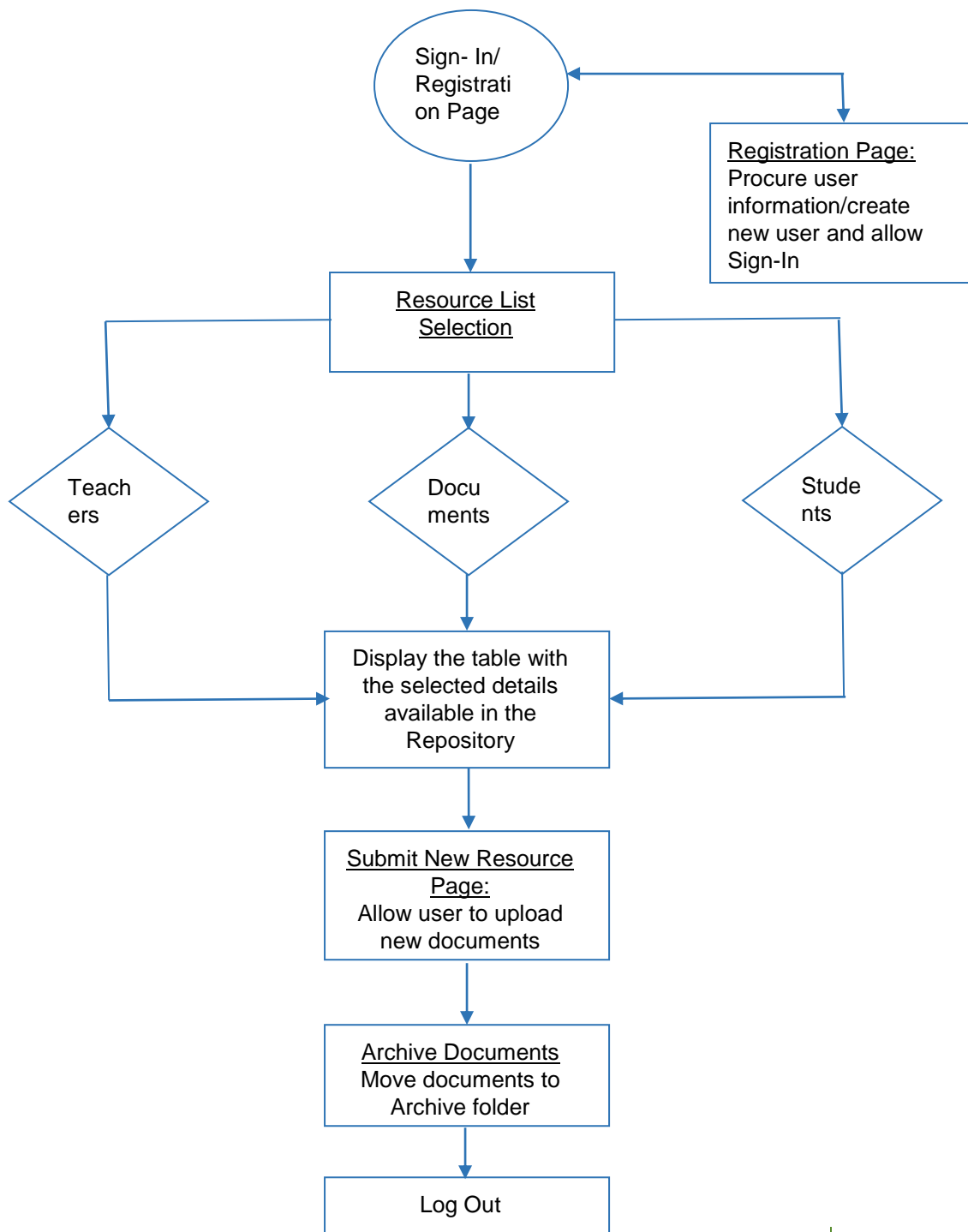
Below are the objectives that shall be fulfilled post the execution of this project:

- Teachers and Students can view/engage in the courses from anywhere and anytime.
- Discovery, and retrieval of the learning materials from the repository along with other reference materials.
- Reuse of learning content.
- Cost effective and cost efficient solution of online knowledge base by hosting the repository on Cloud.
- Digital platform for the connect between Teachers and Students.

1.3 Intended Audience

- Interns/Project Team
- Mentors and SME's
- Delivery Assurance/Excellence Group

2.0 Process Architecture



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	New User Registration	Ability of the portal to procure user data and create new user profiles	
2	REQ-2	User login	Ability of the portal to authenticate and authorize the registered user	
3	REQ-3	Resource List	Displays the complete list of selected resources available in the repository	
4	REQ-4	Advanced Search	Allows the user to search for specific Documents/Teacher/Student	
5	REQ-5	Submit new resource	Allows the Teachers or Students to upload new documents to the repository	
6	REQ-6	Archive Documents	Allows the Teachers to move the documents to archive folder	
7	REQ-7	Help	Page to assist the users to report technical issues	

4.0 Detailed Business Requirements

4.1 Functional Requirements

The functional requirements are projected below, 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
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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
1.01	New User Registration	Clicking on the “Register” button should open the Registration form.	UI	Critical	NA	REQ-1	
1.02	New User Registration	User to fill the basic attributes: First Name Last Name Age Gender Contact Number Category User Id Password Picture	UI	Critical	NA	REQ-1	Please refer Table 1.0 under References section
1.03	New User Registration	Clicking ‘Submit’ button should validate the datatype constraints for each field	F	Critical	NA	REQ-1	
1.04	New User Registration	User failing to provide information for the mandatory fields be presented with an alert message – ‘Please update the highlighted mandatory field(s).’ Also, highlight the missed out field in red	E	Medium	NA	REQ-1	
1.05	New User Registration	Post-successful field validation, save the information in the database	F	Critical	NA	REQ-1	
1.06	New User Registration	Upon saving the information in the database, display the message “New user created successfully”	E	Medium	NA	REQ-1	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
2.01	User login	Clicking "SignIn" link should allow the user to enter the User ID and Password and click "Login" button	F	Critical	NA	REQ-2	
2.02	User login	Portal to validate the entered user credentials against the database and allow login for registered users.	F	Critical	NA	REQ-2	
3.01	Resource List	Clicking on "Resource List" link should display the below choices: Document Teacher Student	F	Critical	NA	REQ-3	
3.02	Resource List	Portal to allow the user to select the required choice from the above	UI	Critical	NA	REQ-3	
3.03	Resource List	Selecting "Document" should display table format of the entire list of documents that are stored in the the repository	F	Critical	NA	REQ-3	Please refer Table 2.0 under References section
3.04	Resource List	Allow user to choose sorting order: Sort by Year (Newest First) Sort by Year (Oldest First) Sort by Title (A to Z) Sort by Title (Z to A) Sort by Author (A to Z) Sort by Author (Z to A) Sort by Subject (A to Z) Sort by Subject (Z to A)	UI	Critical	NA	REQ-3	
3.05	Resource List	Selecting a particular document from the resultant table should allow the user to preview the document in a new tab	F	Critical	NA	REQ-3	
3.06	Resource List	Selecting "Teacher" should display table format of the complete list of Teachers, registered in the the portal	F	Critical	NA	REQ-3	Please refer Table 3.0 under References section

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
3.07	Resource List	Allow user to choose sorting order: Sort by Name (A to Z) Sort by Name (Z to A) Sort by Specialization (A to Z) Sort by Specialization (Z to A)	UI	Critical	NA	REQ-3	
3.08	Resource List	Clicking on a particular Teacher details from the resultant table should allow the user to preview the details in a new tab	F	Critical	NA	REQ-3	
3.09	Resource List	Clicking on the "Assigned classes, schedule" hyperlink should open a new tab with the schedule in table format	F	Critical	NA	REQ-3	Please refer Table 4.0 under References section
3.10	Resource List	Selecting "Student" should display table format of the complete list of Students registered in the the portal	F	Critical	NA	REQ-3	Please refer Table 5.0 under References section
3.11	Resource List	Allow user to choose sorting order: Sort by Name (A to Z) Sort by Name (Z to A) Sort by Batch (A to Z) Sort by Batch (Z to A)	UI	Critical	NA	REQ-3	
3.12	Resource List	Selecting a particular Student details from the resultant table should allow the user to preview the details in a new tab	F	Critical	NA	REQ-3	
4.01	Advanced Search	Clicking "Advanced Search" should display a form with below fields: Keyword Search Title Author Subject Year	UI	Critical	NA	REQ-4	The search criteria should have logical operators like "AND" / "OR" Please refer Table 5.0 under References section

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
4.02	Advanced Search	The display form should have buttons to "Submit Query" or "Reset" the fields	UI	Critical	NA	REQ-4	
4.03	Advanced Search	Clicking on "Submit Query" button should display the required documents and allow user to download the file	UI	Critical	NA	REQ-4	
5.01	Submit new Resource	Clicking "Submit new Resource" should display a form with below fields: Subject/Topic Title Author Subject Year Upload/Attach file	UI	Critical	NA	REQ-5	Please refer Table 6.0 under References section
5.02	Submit new Resource	Clicking on "Submit" button should perform backend validation of the user profile and upload the document	F	Critical	NA	REQ-5	
6.01	Archive Document	Portal capability to allow Teachers to archive documents	F	Medium	NA	REQ-6	Access to Archive documents should only be provided for Teachers.
7.01	Help	Page that displays the basic details text about how to search documents	F	Low	NA	REQ-6	
7.02	Help	Portal to display a form that allows user to report the technical issues through Email: Issue Description Send Button	F	Low	NA	REQ-6	Please refer Table 7.0 under References section
7.03	Help	Portal to display the Contact number to report issues	F	Low	NA	REQ-6	

5.0 References

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	
Category	Drop Down	NA	Yes	Teacher/Student
UserId	Text(15)	Alphanumeric	Yes	UserId
Password	Text(15)	Alphanumeric	Yes	Password
Picture	Button	gif, jpeg, png	Yes	

5.2 Table 2.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Image of the Cover page	Image	gif, jpeg, png	Yes	
Title	Text(100)	AlphaNumeric	Yes	
Author	Text(50)	Alphabetic	Yes	
Subject	Text(50)	Alphabetic	Yes	
Year	Numeric(4)	Numeric	Yes	
File	Document	Word,Excel,PDF, etc	Yes	

5.3 Table 3.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Image of the Teacher	Image	gif, jpeg, png	Yes	
Name	Text(100)	Alphabetic	Yes	
Specialization	Text(100)	Alphabetic	Yes	
Assigned classes, schedule	Hyperlink	AlphaNumeric	Yes	
Number of students	Numeric(4)	Numeric	Yes	

Planned Leaves	AlphaNumeric(4)	AlphaNumeric	No	
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5.4 Table 4.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Date	AlphaNumeric(10)	AlphaNumeric	Yes	
Time	AlphaNumeric(10)	AlphaNumeric	Yes	
Batch	Text(10)	Numeric	Yes	
Subject	Text(10)	Alphabetic	Yes	
Notes	Hyperlink	Alphabetic	Yes	

5.5 Table 5.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Image of the Student	Image	gif, jpeg, png	Yes	
Name	Text(100)	Alphabetic	Yes	
Specialization	Text(100)	Alphabetic	Yes	
Batch	Numeric(8)	Numeric	Yes	
No. of documents uploaded	Numeric(4)	Hyperlink	Yes	

5.6 Table 6.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Keyword Search	Text(50)	Alphabetic	No	
Title	Text(50)	Alphabetic	No	
Author	Drop Down	NA	No	
Subject	Drop Down	NA		Subject Names
Year	Drop Down	Numeric	No	2000 to 2019

5.7 Table 7.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Subject/Topic	Text(50)	Alphabetic	Yes	
Title	Text(50)	Alphabetic	Yes	

Author	Drop Down	NA	Yes	
Subject	Drop Down	NA	Yes	Subject Names
Year	Drop Down	Numeric	Yes	2000 to 2019

5.8 Table 8.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Issue	Text(100)	Alphabetic	Yes	
Description	Text(300)	Alphabetic	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 29-Jan-2019 by Tasneem Banu			
V1.0.1				
	Section No.	Changed By	Effective Date	Changes Effected
	2.0	Tasneem	30/01/2019	Modified the Process Architecture with Resources selection details.
	4.0	Tasneem	30/01/2019	Inserted additional Business requirements to increase UI complexity
	5.0	Tasneem	31/01/2019	Created the table references (Table No. 2,3,4 and 5)