



# My Tutor

## Technical Design Document

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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
<b>2.0</b>	<b>Solution Summary</b>	<b>3</b>
2.1	Scope	3
2.2	Assumptions	3
2.3	Dependencies	3
2.4	Risks	3
<b>3.0</b>	<b>Schematic Diagram</b>	<b>4</b>
<b>4.0</b>	<b>System Design</b>	<b>4</b>
4.1	Proposed design	4
<b>5.0</b>	<b>Database Design</b>	<b>10</b>
5.1	Data Model	10
5.2	Tables Structure	11
<b>6.0</b>	<b>Appendices</b>	<b>13</b>
6.1	Glossary	13
6.2	Other	13
<b>7.0</b>	<b>Terms &amp; Conditions</b>	<b>13</b>
<b>8.0</b>	<b>Change Log</b>	<b>13</b>

# 1.0 Introduction

## 1.1 Purpose of this document

The purpose of the detail design document is to define the detailed design for all the components of My Tutor that are specified in the Business Requirement/Use case document. All the low level components, interfaces and integrations are detailed out in this document.

## 1.2 Project overview

My Tutor is a project which manages Admin, Tutor and Student. It helps users to register and login for online skill development courses. Admin provides support for users. Tutor provides details of the course. Student can register and login to courses available in the website.

# 2.0 Solution Summary

## 2.1 Scope

- Create and maintain user information.

## 2.2 Assumptions

- There will be no concurrent users for the application. The User profile will be maintained by the Admin.
- Any changes to the design mentioned in the BRD would be taken as a Change Request

## 2.3 Dependencies

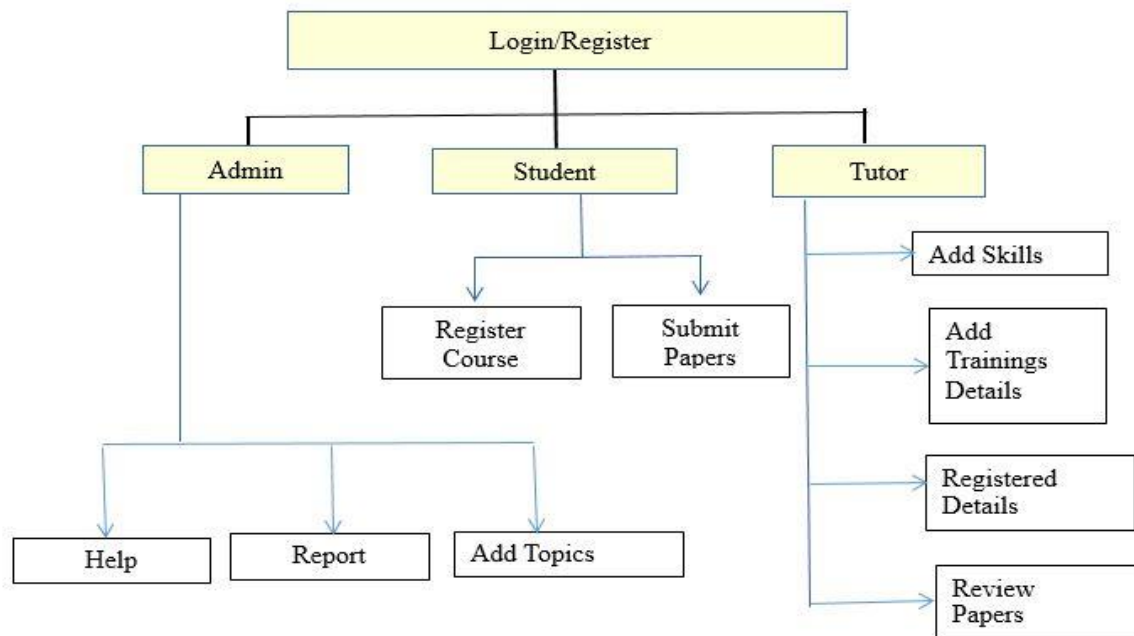
- Availability of database design characteristics & access shall be defined by the
- Resource availability throughout each of the sprint

## 2.4 Risks

- Connection to the server

## 3.0 Schematic Diagram

A schematic, or schematic diagram, is a representation of the elements of a system using abstract, graphic symbols rather than realistic pictures. It gives an overview of overall system



## 4.0 System Design

### 4.1 Proposed design

*<This sub-section shall elaborate the high-level design for this project>*

Login Page checks the authentication of the user and based on his role, directs the user to the respective page. Admin will provided with the registration details and default admin option that would allow the admin to see Reports and provide support to users.

#### a. UI Validations

- User Id and Password fields are mandatory.
- Invalid User Id and / or password should not allow the user to get into the system

## b. UI Controls

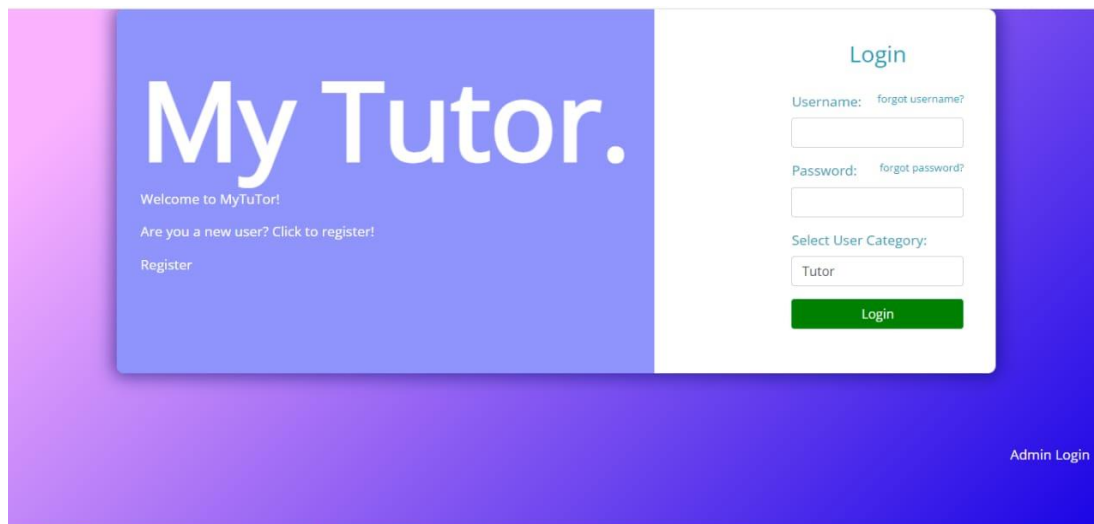
#	UI Component	Type	Name	Details
1	User Id	Label	label_For_User_Id	
2	User	Text field	Textfield_user	To enter username
3	password	Label	Label_for_password	
4	password	Text field	Textfield_password	To enter password

## c. UI Methods Definition

Method Name	Parameter	Details
Registration_doPost	HttpServletRequest request, HttpServletResponse response	Allows the user to Login
Registration_doGet	HttpServletRequest request, HttpServletResponse response	User Details are Registered
AddSkill_doGet	HttpServletRequest request, HttpServletResponse response	Tutor add skills
Addtimeslot_doPost	HttpServletRequest request, HttpServletResponse response	Tutor adds the time slot for particular course
Addcourse_doGet	HttpServletRequest request, HttpServletResponse response	Student selects the course
Addpaper_doPost	HttpServletRequest request, HttpServletResponse response	Student submit paper

AddTopics_doPost	HttpServletRequest request,HttpServletResponse response	Allows the admin to add topic
Addreport_dopost	HttpServletRequest request,HttpServletResponse response	Allows admin to submit report
Addhelp_doGet	HttpServletRequest request,HttpServletResponse response	Allows admin to view help requests
Addhelp_doPost	HttpServletRequest request,HttpServletResponse response	Allows admin to respond to help
AddTraining_doPost	HttpServletRequest request,HttpServletResponse response	Allows tutor to add training details

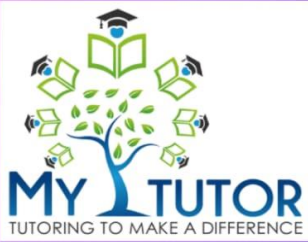
#### d. UI Design



Logout

Home

Welcome Moosa!



ADD TOPICS

UPDATE TOPICS

HELP REQUESTS

REPORTS

Logout

Home

Add topics:

Topic:

Please fill out this field.

Start date:

Please fill out this field.

End date:

Please fill out this field.

Eligibility criteria:

Please fill out this field.

Submit

Logout

Home

Add class room training

Subject:

Please fill out this field.

Date:

Please fill out this field.

Venue:

Please fill out this field.

Availability slots:

Please fill out this field.

Fees:

Please fill out this field.

Submit

Logout

### Add skills

Add a skill

Java

Add

#### Your skills

Edit skills Update

- c++
- java
- spring
- maven

Save my skills

Logout

### Active Trainings:

Select subject:

PHP

Training id	Subject	Date	Register
56789	HTML	04/oct/2022	<a href="#">Register</a>
56789	PYTHON	05/jan/2022	<a href="#">Register</a>
56789	PHP	31/july/2022	<a href="#">Register</a>

Logout

### Help and Support

View previous Resolutions

Issue:

Type your issue

Description:

Date of ticket:

Enter today's date

Submit

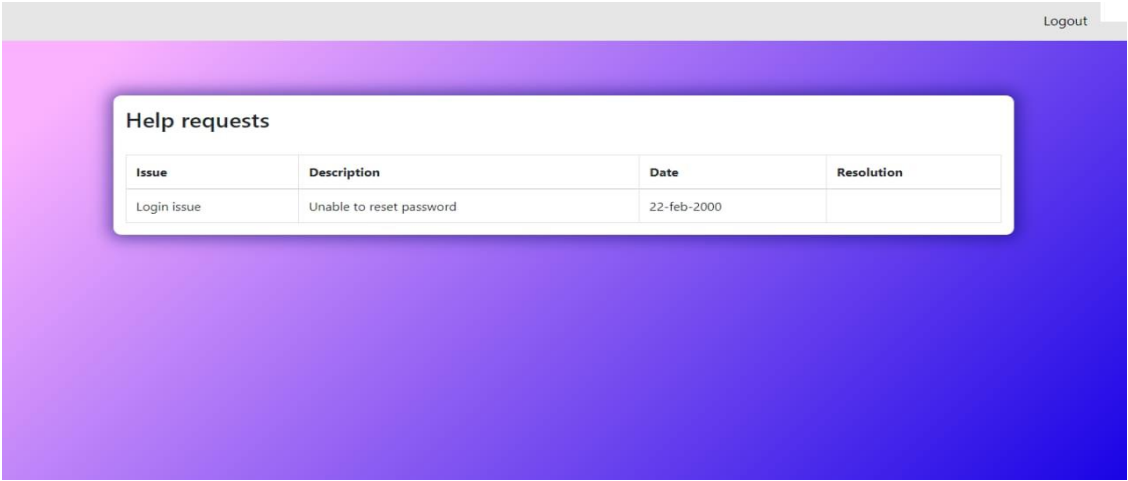
Contact: 000-888-9999-1111 to report issues

Logout

### Help requests

Request id	Issue	From
<a href="#">RequestID</a>	login issue	def@somemail.com
<a href="#">RequestID</a>	unable to registrate	joe@example.com
<a href="#">RequestID</a>	login	john@example.com

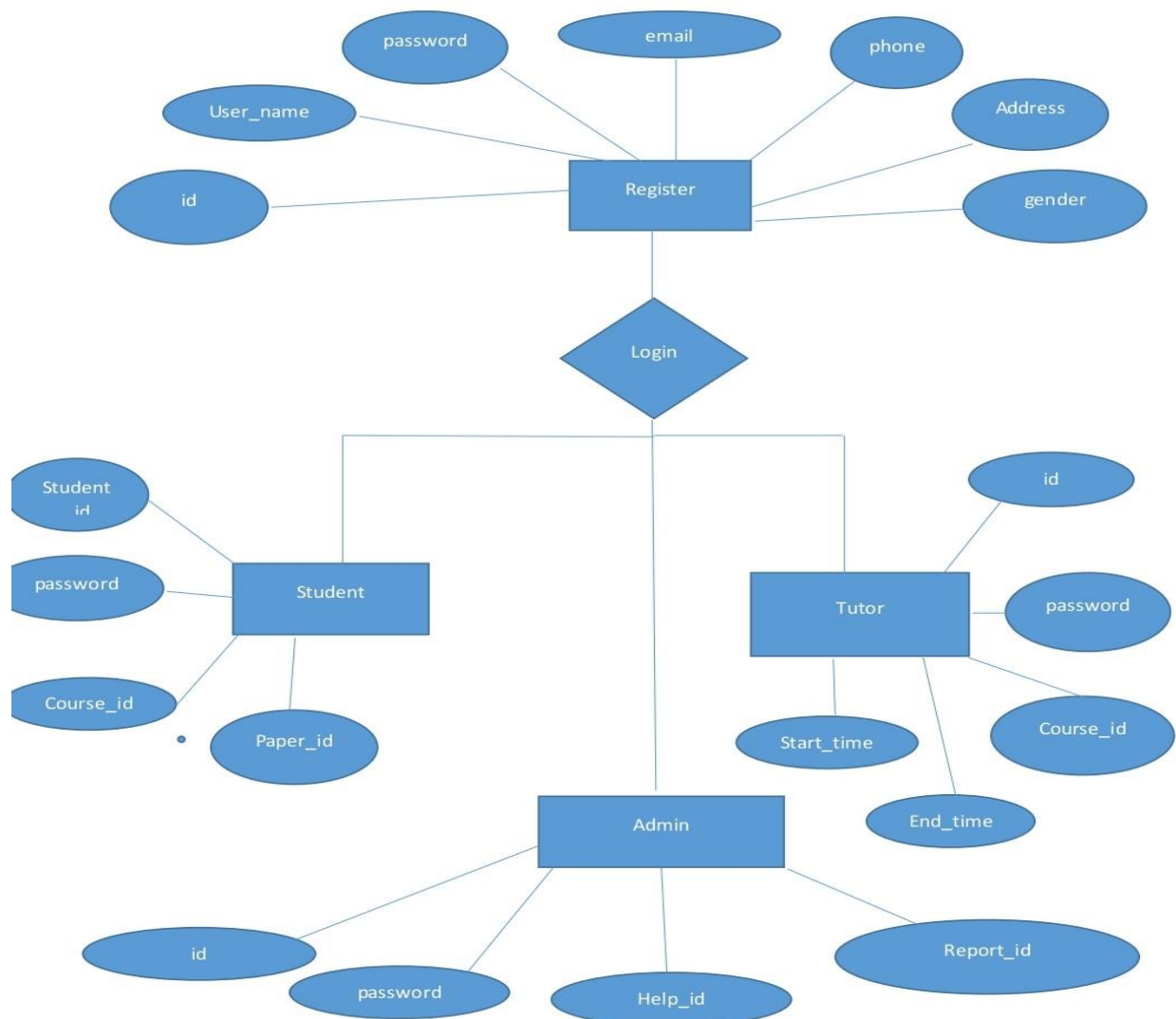




## 5.0 Database Design

### 5.1 Data Model

<This sub section will give the schematic view of the database design>



## 5.2 Tables Structure

<This sub section will describe the table structure>

### User Registration:

Column Name	Data Type	Length	Nulls
id	nvarchar	50	N
User name	nvarchar	50	N
Password	nvarchar	50	N
Age	int	5	N
Gender	nvarchar	50	N
Address	nvarchar	50	N
Contact number	nvarchar	50	N
Role	nvarchar	50	N

### Tutor Details:

Column Name	Data Type	Length	Nulls
Id	varchar	20	N
Tutor_name	varchar	20	N
Courese_name	varchar	20	N
startdate	varchar	20	N
enddate	varchar	20	N

**Student:**

Column Name	Data Type	Length	Nulls
Id	int	11	N
Student_name	varchar	20	N
Course_id	int	11	N
Paper_id	int	11	N

**Admin:**

Column Name	Data Type	Length	Nulls
Id	int	11	N
Admin_name	varchar	20	N
Help_id	int	11	N
Report_id	int	11	N

## 6.0 Appendices

### 6.1 Glossary

Acronyms	Definitions
HTTP	Hyper Text Transfer Protocol

### 6.2 Other

## 7.0 Terms & Conditions

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## 8.0 Change Log

*Please note that this table needs to be maintained even if a Configuration Management tool is used.*

Version Number	Changes made			
V<n.n>	<If the change details are not explicitly documented in the table below, reference should be provided here>			
	Page no	Changed by	Effective date	Changes effected