

SOFTWARE REQUIREMENT SPECIFICATIONS

SUBMITTED BY:

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Batch: python 122

➤ **GYM MANAGEMENT SYSTEM**

ABSTRACT

Gym management system is used in most gyms. Package module which manages the functionality of packages, payments modules contain all the functionality related to payments. The user wants to login/sign up. Gym/admin manages all the functionality.

MODULES

1. Admin

- **Manage User** – For the user, the admin can add, update, and delete user information and also the admin can change the password of the user.
- **Manage Package Expiry Details** –The admin can add, update, and delete package expiry.
- **Manage Packages** –The admin can add, update, and edit.
- **Manage Payment Details** –The admin can add, update and edit.

2. User

- **Log in** – For the login, the user will login first before he/she can use the system.

- **Sign up** – For the sign up, the user will sign up first before he/she can use to login in the system.
- **Homepage** – For the homepage, you will be able to all the basic access in the whole system.
- **Packages** – For the payment, the user will be able to search the available packages.
- **Payment** – For the doing payment.
- **Payment Details** – For checking the payment history.
- **Package Expiry** -For checking package expiry.

DESIGN

1. User Login and Sign up Page

The first page has buttons for login and sign up. On clicking these buttons, it will open up a modal for their respective use cases. The login modal will have the following text boxes and the login button:

- **Username:** to enter the username. Username can be alphanumeric.
- **Password:** to enter the password. Password can be alphanumeric, can contain special characters and must be at least 8 characters in length.

There is also a provision to reset your password, in case the user forgets it. On login, the user will be redirected to the Home Page.

The sign up modal will have the following textboxes for the user to sign up to our website :

- **First_name**: to enter the first name. First_name must be entirely alphabetic.
- **Last_name**: to enter the last name. Last_name must be entirely alphabetic.
- **Email_id**: to enter the email address. Email can be alphanumeric and it must contain '@' symbol.
- **Password**: to enter the password. Password can be alphanumeric, can contain special characters and must be at least 8 characters in length. The password will be saved using encryption methods for security.
- **Phone number**: to enter the phone number. It must be entirely numeric and must be at least 10 characters long.
- The user will also have to verify a captcha to prevent bots from signing up to our webpage.

This registration will provide the user with customer profile id.

2. Home Page

The home page will have a navigation bar. In the navigation bar, a hyperlink to find packages. The payment can be done in another hyperlink. In another hyperlink the user can see the list of payment history. The expiry of package can be check in another hyperlink.

3. Package Page

The package page is for display different packages available in the gym.

4. Payment Page

The payment page will have the website logo and the following fields.

- **Amount**-Textbox to enter the amount to be pay.
- **Pay**-Button to do payment.

5. Payment Details Page

Here user can view his/her payment details as a list.

6. Package Expiry

Here user can view the expiry details about package they buy.

Database design

1. User

Field Name	Data Types	Constraint
user_id	int	Primary Key
first_name	varchar	
last_name	varchar	
email_id	varchar	
phone_number	int	
username	varchar	
password	varchar	

2. Payment info

Field Name	Data Type	Constraint
id	int	primary key
user_name	varchar	
customer_profile_id	int	
Payment_profile_id	int	

3. Package expiry

Field Name	Data Type	Constraint
id	int	primary key
user_name	varchar	
customer_profile_id	int	
package_begining_date	int	
package_expiry_date	int	