



birlasoft

**Pimpri Chinchwad Education Trust's**  
**Pimpri Chinchwad College of Engineering**  
**Department of Computer Engineering**

**Project Report**

**On**

**Product Management System**

**Group Members**

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# INDEX

Sr No.	Topic	Page no.
1.	Introduction	2
2.	UML Diagrams :  2.1. Use Case Diagram 2.2. Class Diagram 2.3. Sequence Diagram 2.3.1. Sequence Diagram (Add Product) 2.3.2. Sequence Diagram (Search Product) 2.4. Activity Diagram	3
3.	Database Design :  3.1. Entity Relationship Diagram 3.2 Data Flow Diagram	8
4.	Test Cases	10

# 1. Introduction

The project is named as “Product management system” where a user can handle all the data regarding the product. It is nothing but managing all the details of the project.

Here,for adding details of the project it takes different parameters such as product\_id,name,category and price of the project.We are able to perform the different operations related to the data that we are collecting. These operations are adding, modifying and removing the data from the database. so,we can perform these operations according to the need.

## 2. UML Diagrams

### 2.1 Use Case Diagram :

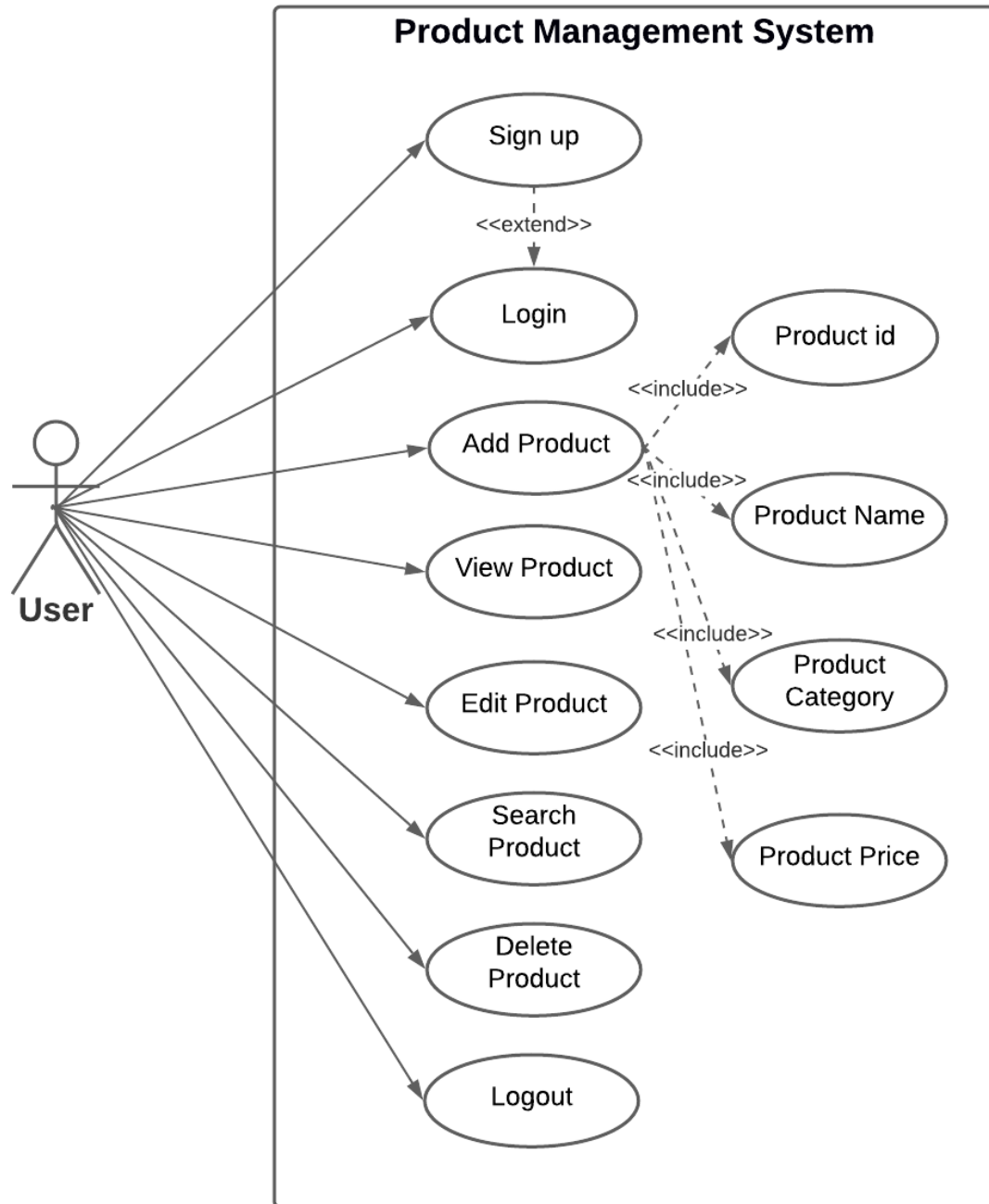


Fig 1. Use Case Diagram (Product Management System)

### 2.2 Class Diagram :

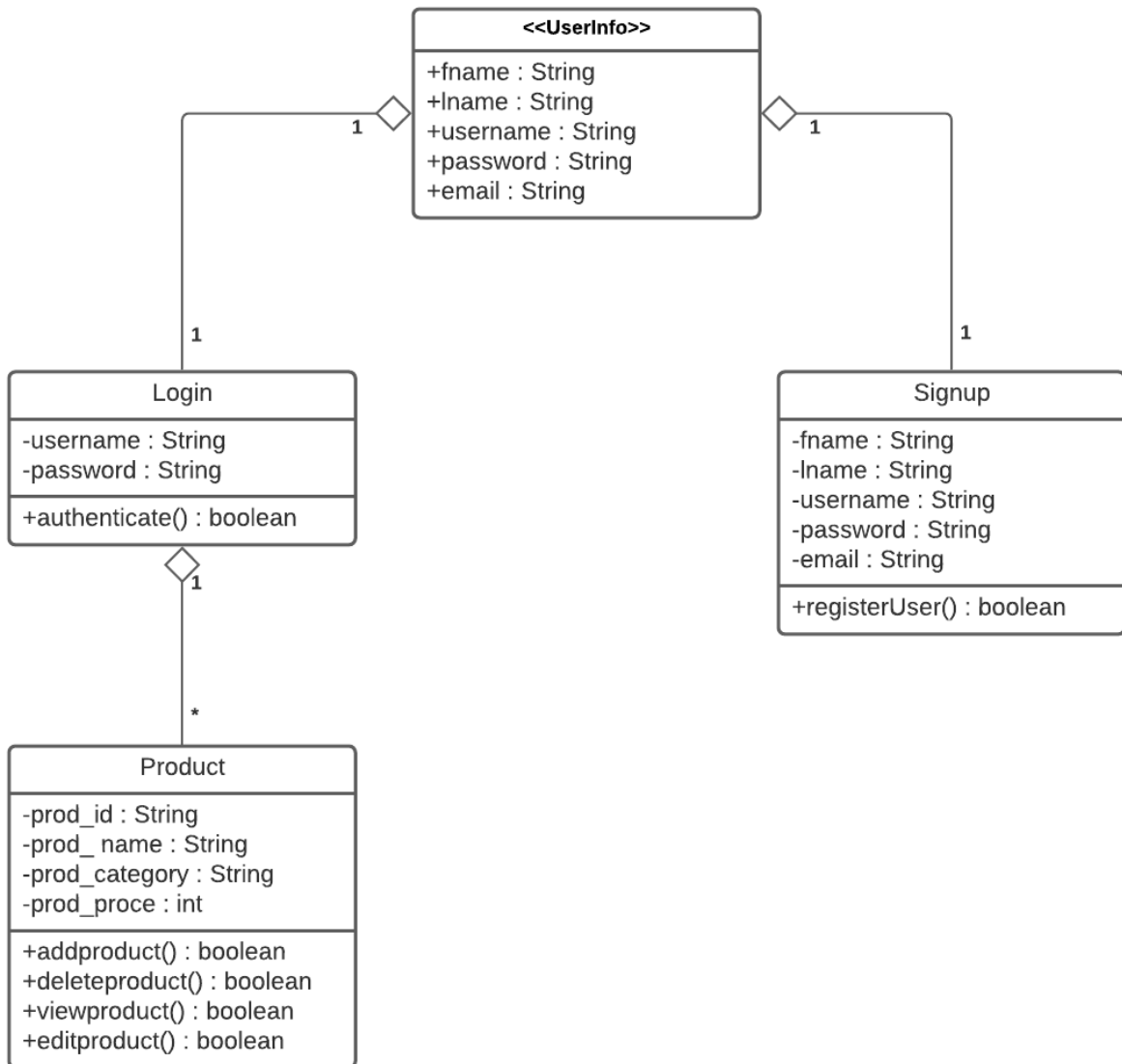


Fig 2. ClassDiagram (Product Management System)

## 2.3 Sequence Diagram

### 2.3.1 Sequence Diagram (Add Product) :

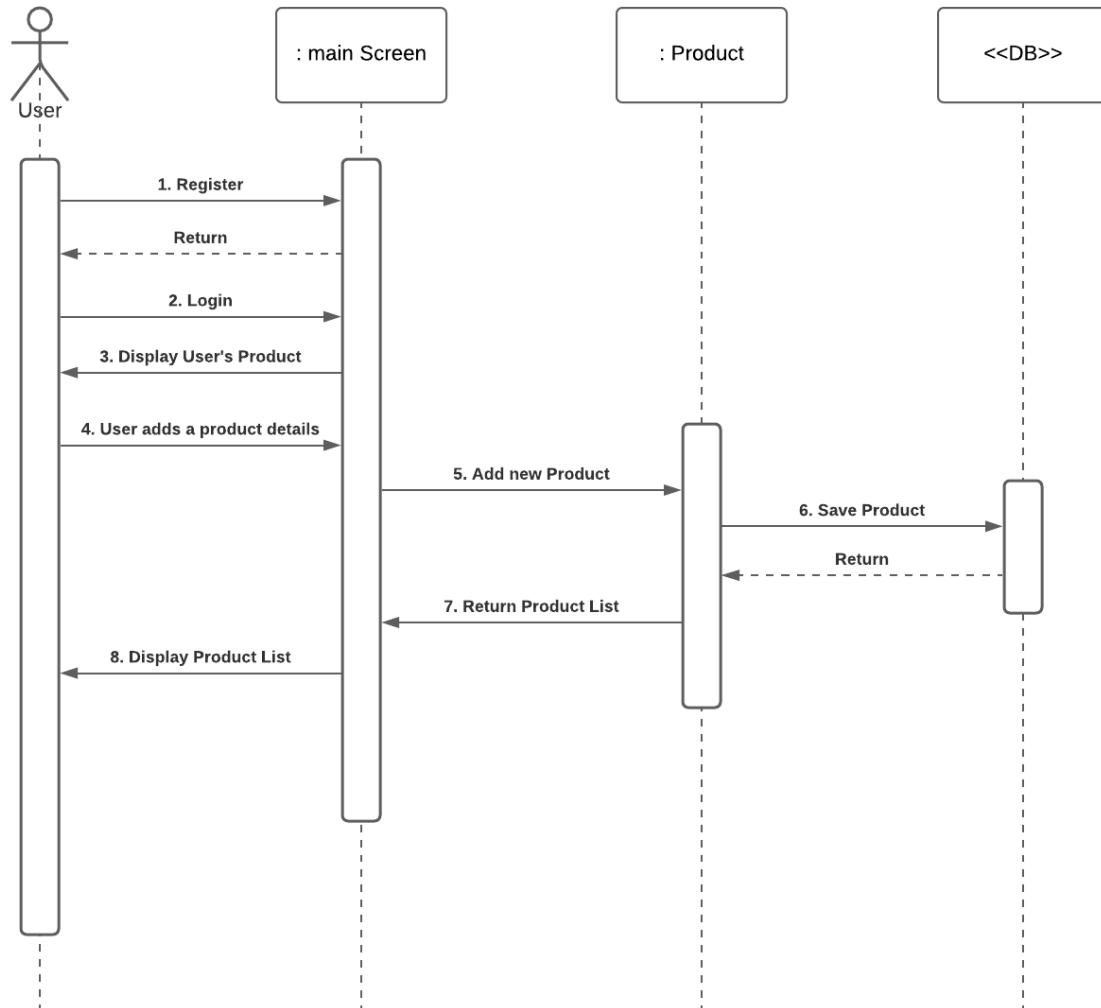


Fig 3. SequenceDiagram (Add Product)

### 2.3.2 Sequence Diagram (Search Product) :

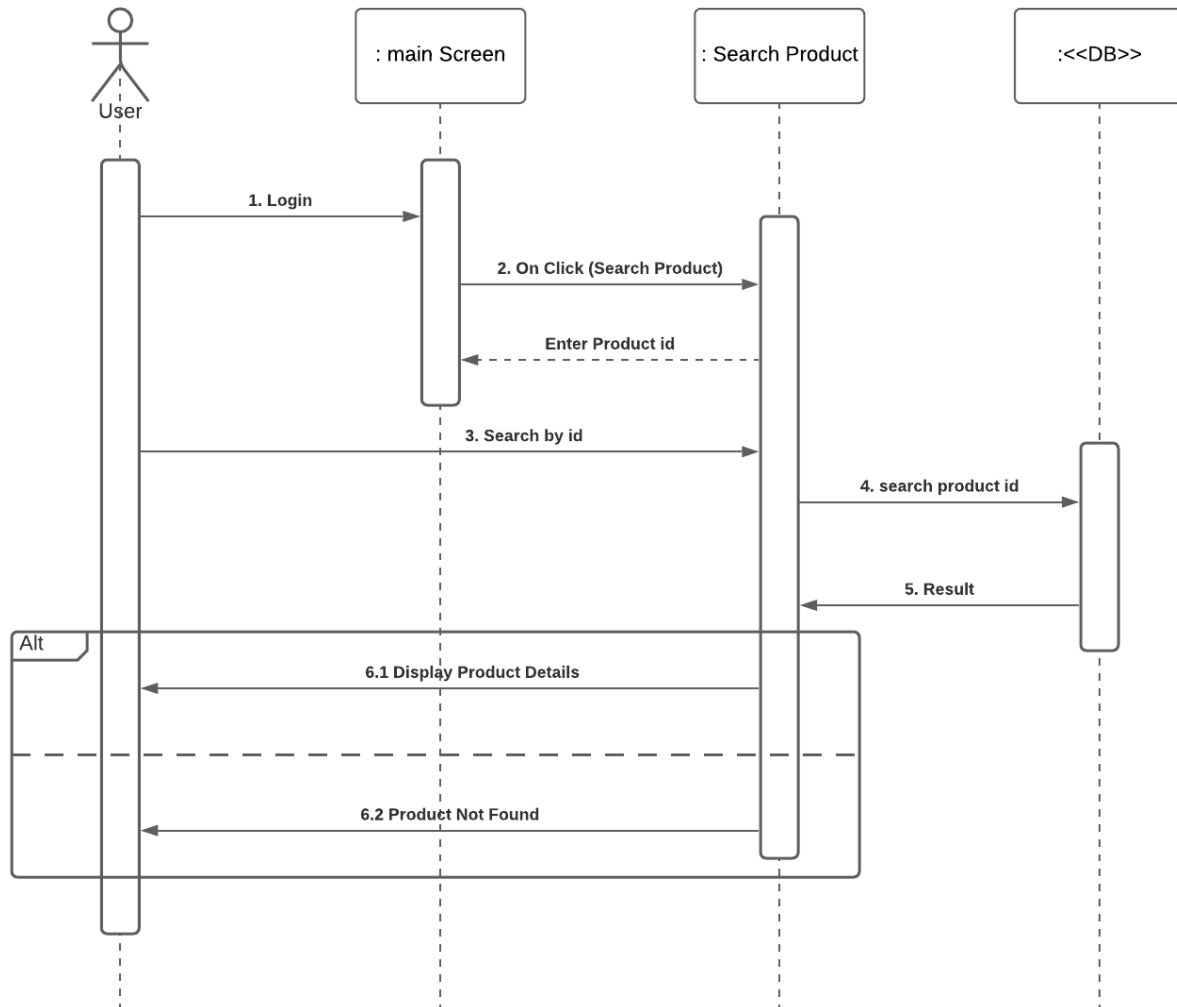


Fig 4. Sequence Diagram (Search Product)

## 2.4 Activity Diagram :

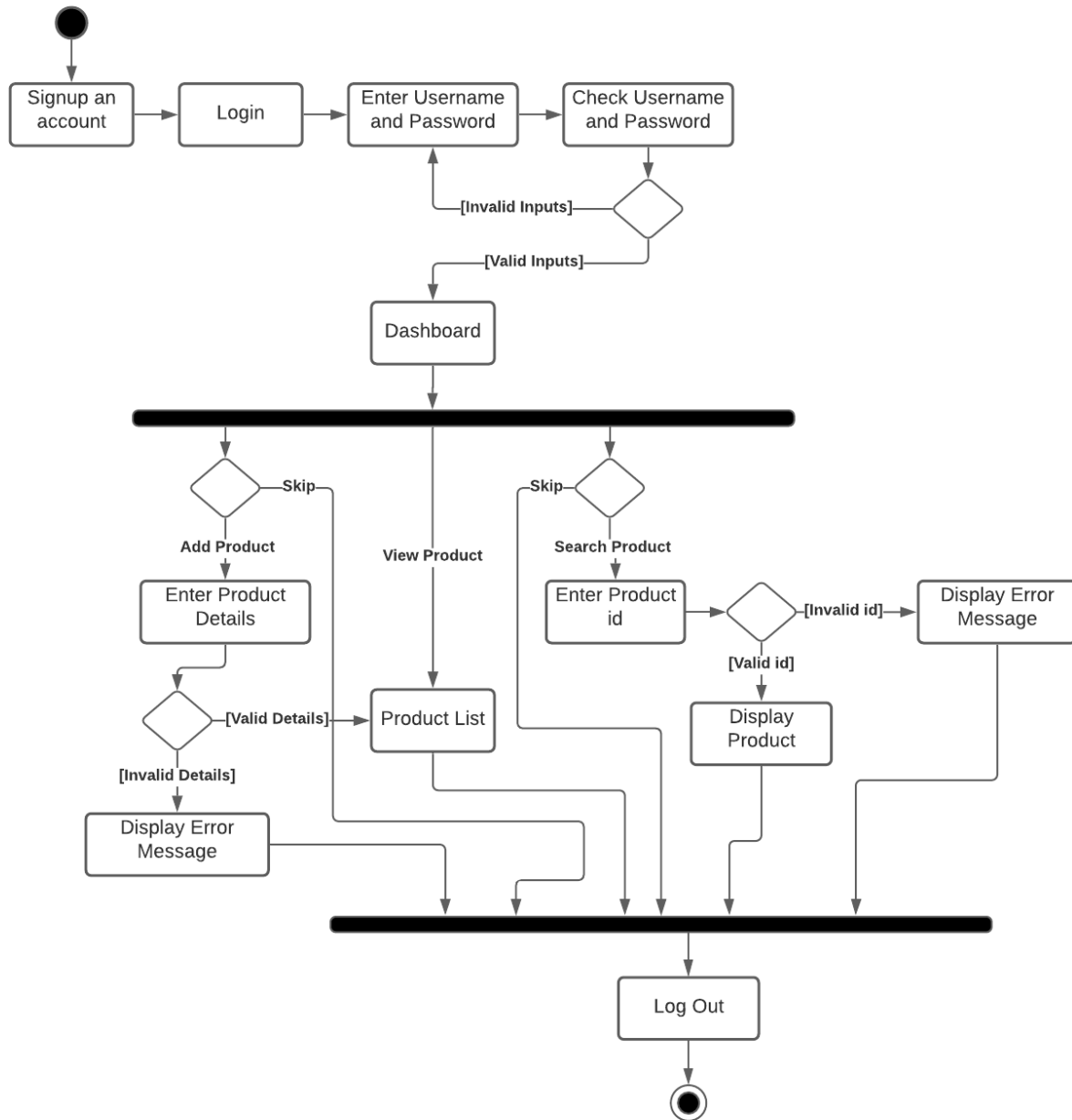


Fig 5. Activity Diagram (Product Management System)



## 3. Database Design

### 3.1 Entity Relationship Diagram :

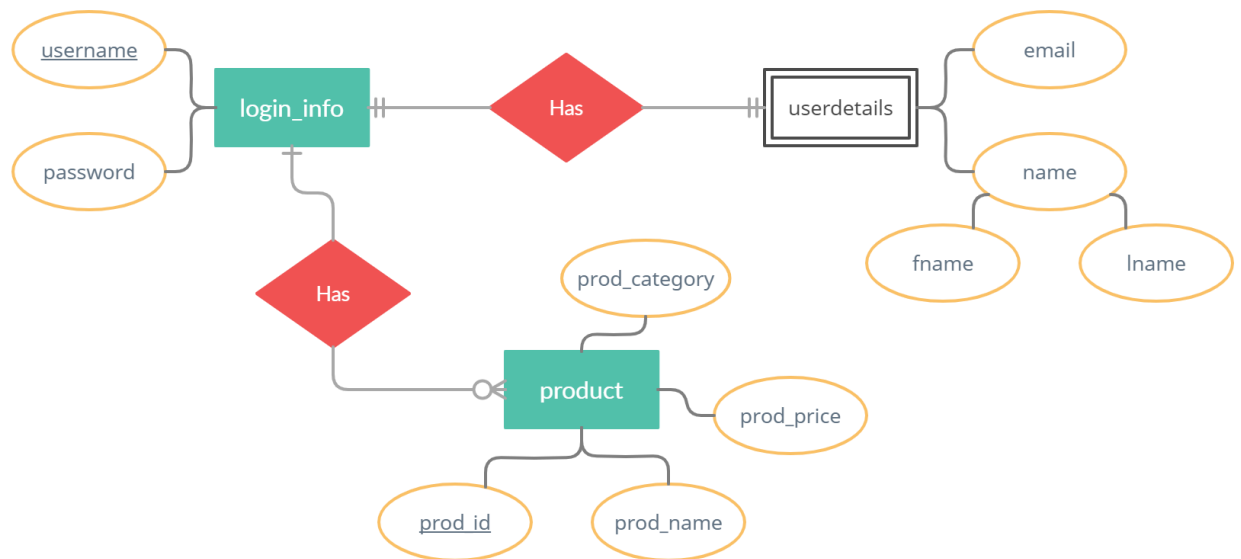


Fig 6. ER Diagram (Product Management System)

### 3.2 Data Flow Diagram :

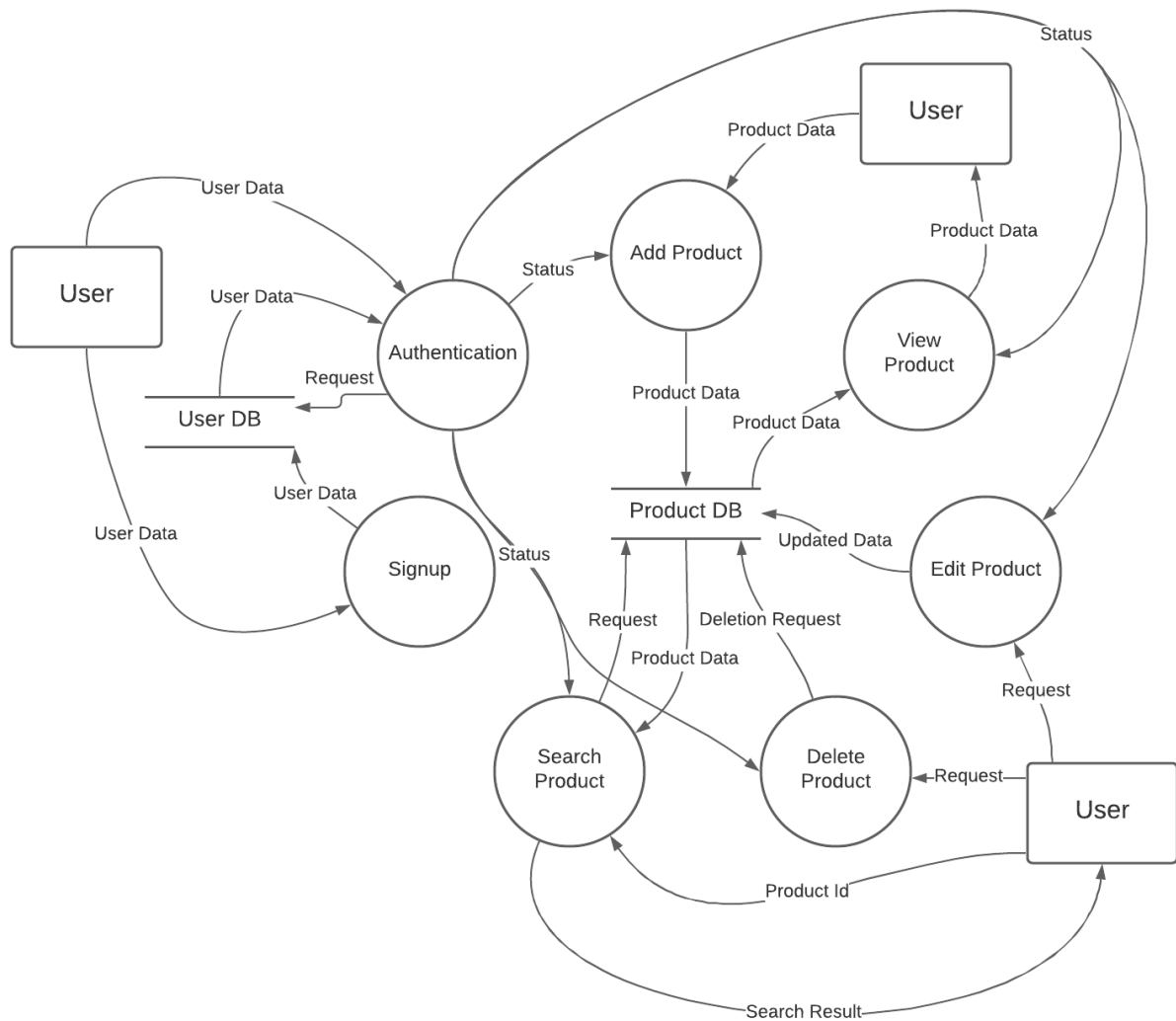


Fig 7. Data Flow Diagram (Product Management System)

## 4. Test Cases

Test case ID	Objective	Step To Execute	Input	Expected Result	Actual Result	Pass/Fail
TC-01	Verify that the website is properly loading or not.	1.Open the internet browser. 2.check for internet connection 3.Put URL into the browser and press 'Enter'	The website is on the localhost.	The index page of application should load successfully	The index page is loaded successfully	Pass
TC-02	Verify the User login on the login page.	1.Open the website portal 2.Put Username and Password in the Admin login section.	<b>UserName:</b> Registered username on website <b>Password:</b> Alpha-numeric password with respect to username	The correct username and password should be accepted.	The correct mail id and password is accepted and admin login successfully	Pass
TC-03	Verify the user must register before login.	1.Open the website portal 2.If the user is not already registered then it must register itself using the "sign up" option.	All the respected fields available on the register page.	The correct data should be accepted..	The correct data accepted and user registered successfully.	Pass

TC-04	Verify the Email id filed on the signup page	1.Open the website portal 2.click on the signup and open the user registration page	Enter the email id in correct format as required.  Example:  abc@gmail.com	The correct mail id should be accepted and if not then return to the error page.	The correct mail id is successfully accepted in the given format.	Pass
TC-05	Verify all inputs must be accepted at signup page.	1.Open the website portal 2.click on the signup and open the user registration page	Enter all the fields required in the registration field such as First Name Last Name Username Email id password	After Accepting the all inputs it should display message registration is successful.	All data accepted successfully and users get registered successfully.	Pass
TC-06	Verifying the database connection	1.Open the Website Portal 2.Click on new user registration	All mandatory data required in registration form	The data should be accepted and must be displayed on the page in table format and stored in the database.	The data is accepted and displayed in the table as well as correctly entered into the database.	Pass

TC-07	Verify the Add product option in the system.	1.open the website portal 2.Logged into the system. 3.click on the add product 4.Enter the proper product details 4.After that click on add button	All data regarding product details.	Product details should be accepted and data must be reflected in the database	Product details successfully accepted and data is reflected in the databases.	Pass
TC-08	Verify the input fields on the add item page.	1.open the website portal 2.Logged into the system. 3.click on the add product 4.Enter the proper product details 4.After that click on add button	Provide input as product id Product name Category And price.	input Should be successfully added to the database.	inputs is successfully added to database	Pass

TC-10	Verify the delete product option.	1.open the website portal 2.Logged into the system. 3.click on the view products 4.After that click on the delete product option.	NA	The product information should be deleted from the database.	The product information is successfully deleted from the database	Pass
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