الغلاف الخارجى للبحث

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| أولاً: البيانات الخاصة بالطالب | | | | | | | | | |
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| ثانياً: البيانات الخاصة بالبحث | | | | | | | | | |
| **عنوان البحث** | **Product review analysis for genuine rating** | | | | | | | | |
| **طبيعة المشاركة** | **بحث فردى** | | | | | **بحث جماعى** | | | |
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| ثالثاً: البيانات الخاصة بالكونترول | | | | | | | | | |
| **النتيجة** | | | **ناجح** | | **راسب** | | | | |
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**Product Review Analysis of Genuine Rating**

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1.Introduction:

* 1. **Purpose:**

This “Software Requirements Specification (SRS)” documents key specifications, describes a prototype in terms of functional and nonfunctional requirements for product review analysis for a genuine rating.

The information documented helps the intended audience to design and develop the product. There will be a need for future updates of this document as we are planning to launch a prototype version for testing then start officially the beta version then the final version.

* 1. **Intended Audience:**

This project is a prototype for product review analysis for a genuine rating.

And it is restricted within the college premises. This has been implemented under the guidance of college professors. This project helps the users to get product of best choice and best price.

* 1. **Project scope:**

The scope of the project is to help the users to get product of best choice and best price.

The system provides the users registration form to login, then these registered users are provided with a platform of multiple products added by the admin that helps them: to rate a particular or multiple product and give review about the products if they want.

The system also takes these reviews from other various users based on their opinion (the users also allowed to see the rating and the other’s feedback)

And that helps users to compare between products of the same kind an choose the best.

* 1. **system Perspective:**

The main aim of product review analysis website is to allow users to collect all comments, reviews, rates about a certain product offered by our website according to these collected data users can compare between any two selected items, users are also able to provide review and rate about the products and a feedback about the website. The system gives a list of the best recommended products according to their rate and price. It will be the only system on the market that provides only rating and reviews about the product and recommend the best products. There are other kinds of software for buying and rating products like: amazon, souq.com, jumia and other staff. Even though they cover a wide range of interests, none of them are specifically designed for rating and review products.

* 1. **Glossary and Abbreviations**

**There is any abbreviations in our project so I’m going to define general terms.**

**SRS**: Software Requirements Specification.

**SRP**: Software Requirement Pattern.

**Functional requirements**: describe how a system must behave, what its

features and functions.

**Nonfunctional requirements**: describe the general characteristics of a

system. They are also known as quality attributes.

**Domain requirements:** Domain requirements are the requirements

which are characteristic of a particular category or domain of projects.

* 1. **List of the System Stakeholders**

**Admin:** The system has only admin how manage the website.

**Users:** The system has many users who benefit from system services.

* 1. **References:**

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2. Interface Requirements:

**2.1. User Interface**

The interface will visualize the features and functionalities listed in this document for this prototype as the included below not limited to:

* Drop down menu for category selection
* Push buttons for admin to add, edit products
* push buttons for user to compare products, update information
* Visual graphs to show feedbacks and reviews
* Tables to show products, list of users, feedbacks

**2.2. Software Interface**

* MySQL database server with intensive use of memory space.
* PHP server with high performance.
* Windows users’ computers.

**2.3. Communications Interfaces**

Internet connection and a web browser are required in order to make use of several functions and to be executed such as searching, viewing feedback and rating.

**2.4 Hardware Interfaces**

* Windows
* A browser which supports HTML & JavaScript.

3.SRP Definition

**-** A Software Requirements Pattern (SRP) is an artifact that provides guidance on requirements specification, functional, non-functional, so that they can be reused in well-defined contexts and problems.

**-** In software development, there are requirements that are similar in nature or that appear frequently in many softwires, indicating a possible pattern

**-** Usually the non-functional requirements can be reused independently of the domain, i.e., they appear in the same way in different projects. On the contrary, the reuse of functional requirements, in most cases, is only possible for a given software domain. A pattern has a presentation structure that corresponds to formalization and documentation to capture and reuse knowledge.

**-** The use of patterns helps software engineers in reusing successful solutions to develop new projects, eliminating the redundancy of defining a set of requirements for each software project, which in turn reduces the workload and skill required for communication among stakeholders.

4. Nonfunctional Requirements:

**4.1. The General Categories of Non-Functional Requirements**

1.Product Requirement

-Efficiency Requirement

2.External Requirement

- Legislative Requirement

**4.2. Non-Functional Requirements Specification and**

**the Fit-Criteria**

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Category** | **Measure** | **Impact on system architecture** |
| Reliability | Product Requirement | 1.Mean time to failure  2.Probability of unavailability  3.Rate of failure occurrence  4.Availability  “The system should be failure safe” | Implementing a clear and well-deﬁned function in the system. |
| Portability | Product Requirement | 1.Percentage of target dependent statements  2.Number of target systems | Responsive Design able to be used in different environments |
| Usability | Product Requirement | 1.Training time  2.Number of help frames  ‘’The way of using the system should be simple for all users’’ | Simple interface, all users will be able to use it with minimum technical skills  After less than half hour users will be able to use it fluently |
| Performance | Main category: Product Requirement  Subcategory: Efficiency Requirement | 1.Processed transactions/second  2.User/event response time  3.Screen refresh time | Simple interface, any operation can be done in less than 3 steps to increase speed and ease of use |
| Security | Main category: External Requirement  Subcategory: Legislative  Requirement | 1.The ability of the system to protect itself against accidental or deliberate intrusion | 1.Error messages to notify users about any wrong data  2.Encrypted data |

-

ceived as an independent component of the system, which

performs a clear and well-deﬁned function in the system

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5. Functional Requirements:

**5.1 User Requirement Specification**

The user requirement specification (URS) is a document usually used in software engineering that specifies what the user expects the software to be able to do.

1. The system shall allow users to register
2. The system shall allow both users and admin to login
3. Users should be able to update their information ex: password
4. The products must be added by admin
5. Admin should be able to edit products information
6. Admin should be able to delete any product from the system
7. Both admin and users shall be able to see products
8. Both admin and users shall be able to select specific category
9. Admin should have access to users list
10. Both admin and users shall be able to get products rate and review
11. Admin should have access to system feedbacks
12. Admin shall be able to delete any irrelevant feedback
13. Users shall be able to add feedback about the system
14. Users should be able to add review and give a rate to any product
15. System should be able to calculate average rate for each product
16. Users should be able to compare between products
17. Both users and admin shall be able to logout of the system
18. The system shall allow users to search for a certain product
19. The system should allow both users and admin to add any product to their wish list
20. The system shall allow admin to upload files
21. Admin should be able to generate files

**5.2. System Requirements Specification.**

|  |  |
| --- | --- |
| **Function Name** | **Description** |
| Register | 1.The unregistered user will be able to register in the system.  2.The user should fill all required data like username, email, password.  3.The Email used must be registering for the first time. |
| Login | 1.both admin and registered users are allowed to login  2.They should provide the data required for login process such as email and password.  3.Email and password should be correct and user’s email should be registered before. |
| Update Details | 1.User can update their information like password and username.  2.for updating process, users should write the email they used to register.  3.Then, they can add the information they want to update and write the same data as old ones in the other fields. |
| Add products | 1the admin is the one responsible for adding products.  2.The admin should provide all the data required in order to add product to the system such as product name, price.  3.the seller information should also be added to the system while adding the product. |
| Edit Products | 1.Admin can edit any product data.  2.The admin should write the id of the product needed to be edited  3.Then, the updated should be written in their fields and the other data should be written same as the old ones. |
| Delete products | 1.Admin can delete any product from the system.  2.The admin should write product id in order to delete it.  3.the id must be already exist. |
| View products | 1.A table of products will be displayed for both users and admin.  2.The table will contain data about products and product’s seller information.  3.The table will also contain a link to add any product to wish list and other for viewing rate and review for any product. |
| Select category | 1.The products will be categorized to three different categories, men, women and kids.  2.admin and users can select any category from a dropdown menu.  3.The products table will be the same as the table viewed in the home page. |
| View users list | 1.All system user’s information will be preserved.  2.the admin will only have access for user’s information such as username and email.  3.A list will be displayed for the admin containing this information only. |
| View Rate/Review | 1.After some users adding rate and review to the products.  2.all users and admin will be able to see the reviews and rates provided to any selected product.  3.the product id should be written to view the product rates and reviews. |
| View Feedback | 1.After the users adding feedback to the system based on their personal experience the feedback will be saved in the database.  2.The admin and users will have the access to see system feedbacks.  3.The feedbacks will be displayed in a table.  4. admin can access feedbacks by two ways, when admin get a notification that someone has added a feedback admin can press on the notification and a table of feedback will be displayed or admin can press on the feedback button to get all system feedbacks |
| Add feedback | 1.After using the system users will be able to add a feedback about the system to talk about their own experience.  2.The user must write it’s email and the feedback in order to add a feedback.  3.A notification will be sent to the admin to notify him/her that someone has added a new feedback. |
| Delete feedback | 1.the admin will have the access to delete any irrelevant feedbacks.  2.the admin should provide the feedback id in order to delete it. |
| Add Rate/Review | 1.All products in the system can be rated and reviewed by the users.  2.the user should press on rate/review button and fill the form that will be displayed.  3.the user should know the id of the product he/she wants to review it. |
| Calculate average Rate | 1.Each product that have been rated will have an average rate.  2the average rate will be calculated by the system and displayed in products table. |
| Compare | 1.from existing products, users will be able to choose any two products to compare between them.  2.Users should press on compare button and a form will be displayed.  3.users should write the two products ids, the two products information will be displayed. |
| Logout | 1.users and admin will be able to logout of the system by pressing on logout button.  2.they will be returned to the login page. |
| Search | 1.the users will be able to search for any existing product by writing it’s name in a search bar and press om submit.  2.the search bar will be appear after pressing on search button that will take the user to a new page with the search bar.  3.the result will be displayed in a table. |
| Add favorite | 1.the existing products can be added to admin or users wish list.  2.The products table will have a star shape, while pressing on it, it will open a form the user or admin should fill it in order to add the item to their wish list.  3.The information needed to be written is product name, id and product category. |
| Upload files | 1.the admin will be able to upload files of a certain type png or jpg for example.  2.after pressing om upload files button a new page will be open, containing a button to choose the file admin wants to upload and then submit.  3.only files of a certain type will be uploaded. |
| Generate files | 1.the admin will be able to export some data from the website and download it in a form of pdf. |

**5.3. Requirements’ Priorities**

**-** We will use MoSCow scheme to illustrate our project requirements’ priorities:

**-** The capital letters in MoSCoW stand for “must have,” “should have,” “could have,” and “won’t have.”

**- The categories are typically understood as:**

* **Must have**

Requirements labeled as “*must have”* are critical to the current delivery timebox in order for it to be a success. If even one *Must have* requirement is not included, the project delivery should be considered a failure

* **Should have**

Requirements labeled as “*Should have* “are important but not necessary for delivery in the current delivery timebox. While *Should have* requirements can be as important as *Must have*, they are often not as time-critical or there may be another way to satisfy the requirement so that it can be held back until a future delivery timebox.

* **Could have**

Requirements labeled as” *Could have”* are desirable but not necessary and could improve the user experience or customer satisfaction for a little development cost. These will typically be included if time and resources permit.

* **Won't have (this time)**

Requirements labelled as “*Won't have”*, have been agreed by stakeholders as the least-critical, lowest-payback items, or not appropriate at that time. As a result, Won't have requirements are not planned into the schedule for the next delivery timebox. Won't have requirements are either dropped or reconsidered for inclusion in a later timebox.

|  |  |  |  |
| --- | --- | --- | --- |
| Must have | Should have | Could have | Won’t have |
| 1-Register  2-login  3-logout  4-view products  5-Add rate/review  5- Add feedback  7-view rate/review  8- view feedback  9-Add products  10-Edite products  11- Update details | 1-select category  2- search  3-Delete feedback  4-Delete products  5- Add favorite  6-view users list  7-comapre  8-calculate average rate | 1-Upload files  2- Generate files | 1-Add to cart |

6. Domain Requirements

* Domain requirements comes from the application domains of the system
* The development team has to be successful enough to create the database and the interface design
* Information about the requirements stored in the database helps the developers to understand the requirements and develop the system according to these requirements
* The new functional requirements and the constraints that reflect the characteristics of the system has to be clear enough to avoid some difficulties as the problem of **understandability and problem of implicitness**

1. **Problem of Understandability: when**requirements are expressed in the language of the application domain nature, but software engineers aren’t often understandable
2. **Problem of Implicitness:** domain specialist understands the areas well but don’t express it Clearly that makes the development team isn’t able to understand and implement the requirements due to the incomplete information

7. Design and implementation constraints

1- All information utilized in the system must be stored in database that's accessible by the website(product information ,user information,….etc.)  
2- Xampp and localhost are going to be used as SQL engine and database  
3- User can use system any time because it is running 24 hours each day  
4- User can access from any other computer that has internet connection  
5- User must register to use this system  
6- User must have their username and password

8. System evolution

**8.1. Anticipated changes**

* Product review analysis is a web application consists of products added by the admin, system takes reviews of various users, based on their personal opinion that helps the user to get his product at its best choice and price.
* The system allows the users to look into a product with different rating and reviews and the average rate of that product, and more information about the price, seller name, seller location
* Users are allowed to compare between two products of same category, they are also allowed to add their favorite product
* **the system is not easy enough to use as new users may need some manual guidance to make some issues more clear**
* **The new system is going to have some simple adjustments and additions to make it more reliable**

1. Add favorite: user will click only on the star and he wouldn't have to fill the form
2. Rating: rating form will be replaced by stars instead of filling the form
3. Review: user will write his review inside the text field without entering product id
4. Products will be provided with different colors and images
5. There will be offers
6. Feedback the system: the user won’t have to enter his email
7. Users will be able to put some products in a shopping cart to choose what he is going to buy
8. Users will be able to make orders
9. Users will be able to buy products online
10. Users can pay online
11. Users are able to contact with managers

**8.2.**

* According to the user needs and hardware anticipated changes:
* as requirements change through changing business circumstances, the software that supports the business must evolve and change therefore the design has to be responsive to accept the approaching changes
* design is going tobe straightforward and effortless that make the users to feel comfy while using it
* users might be ready to use this technique on android and IOS phones and on Ipad

9. Discovery approach

“use case diagram technique” is applied within the discovery approach  
UML use-case diagram helps in studying the system feasibility by identifying the actors (admin ,user) and their environment ,therefore the function which they collaborate in, what's the include and extend action of each

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Functions** | **Admin** | **User** | **Include** | **Extend** |
| Register |  | **-** |  | **-mailExist**  **- password confirmation** |
| Login | **-** | **-** | **View product** | **-invalid** |
| Logout | **-** | **-** |  |  |
| View user | **-** |  |  |  |
| View rate/review | **-** | **-** |  |  |
| View feedback | **-** | **-** |  |  |
| Delete product | **-** |  | **Deleted successfully** | **Id does not exist** |
| Add product | **-** |  | **Added successfully** | **Id Product exist** |
| Edit product | **-** |  | **edited successfully** | **Id does not exist** |
| Delete feedback | **-** |  | **Deleted successfully** | **Id does not exist** |
| View men | **-** | **-** |  |  |
| View women | **-** | **-** |  |  |
| View kids | **-** | **-** |  |  |
| Update details |  | **-** | **Data updated** |  |
| Add Rate/review |  | **-** | **Added successfully** |  |
| Calculate average rate |  |  |  |  |
| Compare |  | **-** |  |  |
| Add feedback |  | **-** | **Added successfully** |  |
| Search |  | **-** |  | **Product not found** |
| Upload files | **-** |  | **Uploaded successfully** | **extension not allowed** |
| Generate files | **-** |  |  |  |
| View product | **-** | **-** |  |  |
| Add favorite |  | **-** | **Added successfully** | **Id product exist** |

* **In tabular description:**
  + Use cases presented in a table of actor actions and system ... its evolution from its initial discovery to the assemblyof its fully detailed.
  + It also helps to decide if there’s any changes we had to form to make the design and the usage more clear and reliable by knowing the normal flow of the functions if they are simple or complicated
* **Sequence diagram**
  + shows the interaction logic between the objects in the system within the time order that the interactions happen
  + example :(when an admin wants to view products system will send a request to the database to show the stored data, the database will send the stored data in response that makes the admin view products) so it clears the interaction between the system and the database and the flow of events in additional details

10. Validation

**“Requirement review technique” is applied to check for the requirement validation. Check list is used to ensure that there’s no source of error that consists of some points:**

* Completeness checks
* Consistency checks
* Validity checks
* Realism checks
* Verifiability
* correctness

After reading SRS document and by checking and testing. the program is correct as it behaves as expected in the SRS documentation

1-all functions are implemented as user’s desire

2-there is no conflict between the requirements

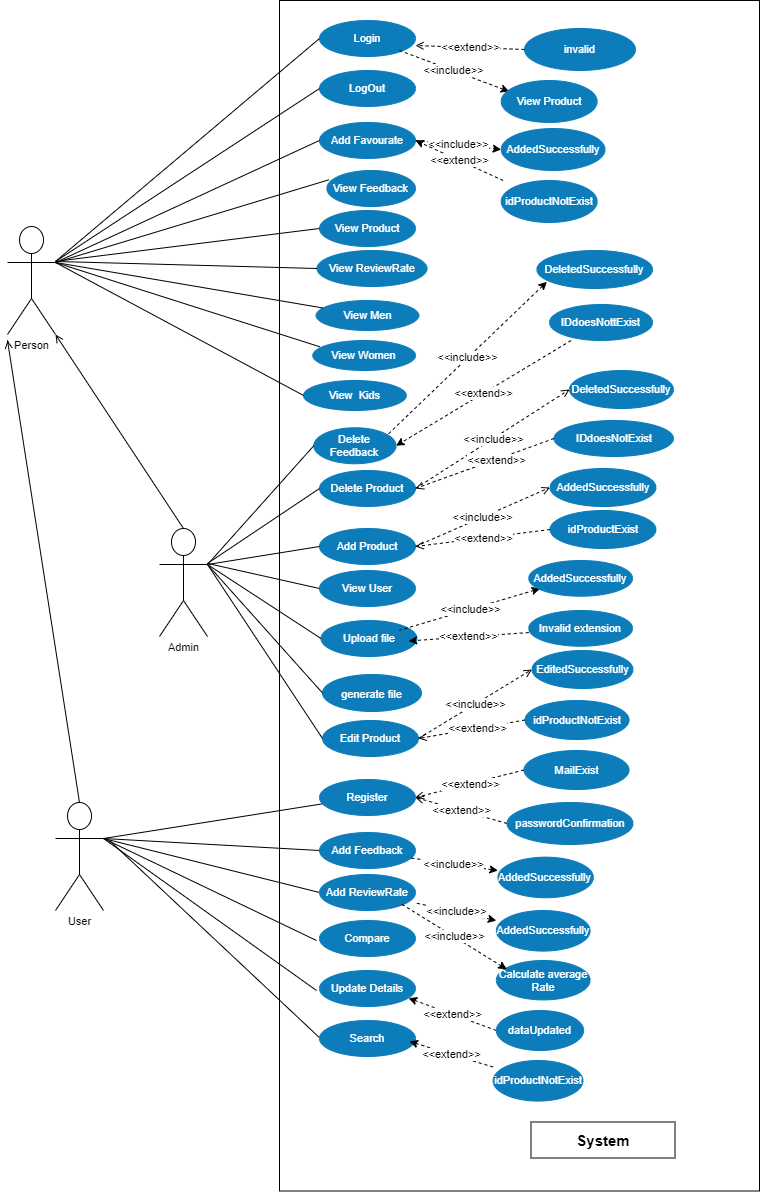
3-implementation constraints are correct

4-all requirements are supported by the existing technology

**But there’s some functions aren’t easy enough to use like (add favorite, review and rate) so there are some changes will happen in the near feature**

**Part 2**

1. Functional Diagrams
   1. **UseCase Diagram**



**1.2. Detailed Use-Cases Description**

**1-REGISTER:**

|  |  |
| --- | --- |
| **Use case name** | Register |
| **Actors** | User |
| **Precondition** | None |
| **Basic Flow** | 1-User clicks on “register”  2-New account form is displayed, the user fills the empty fields.  3-Click register |
| **Alternative Flow** | If all the fields aren’t filed correctly, error message displayed |
| **Post Condition** | User registered |

**2-login:**

|  |  |
| --- | --- |
| **Use case name** | Login |
| **Actors** | Users, admin |
| **Precondition** | User is registered |
| **Basic Flow** | If the user already has an account:  1-enter your email  2-enter your password  3- press login |
| **Alternative Flow** | If Email or password are invalid a message displayed |
| **Post Condition** | Login successful |

**3-Logout:**

|  |  |
| --- | --- |
| **Use case name** | logout |
| **Actors** | Admin, user |
| **Pre-condition** | User, admin logged in |
| **Basic Flow** | 1-User click on logout button  2-return to the login page |
| **Alternative Flow** | -- |
| **Post Condition** | Logout successful |

**4-Delete Product:**

|  |  |
| --- | --- |
| **Use case name** | Delete product |
| **Actors** | Admin |
| **Pre-condition** | Product exists |
| **Basic Flow** | 1-enter the product id  2-click delete |
| **Alternative Flow** | Message displayed Id not found |
| **Post Condition** | selected product is deleted |

**4-Add Product:**

|  |  |
| --- | --- |
| **Use case name** | Add product |
| **Actors** | Admin |
| **Pre-condition** | Product doesn’t exist |
| **Basic Flow** | 1-fill product info  2-press add button |
| **Alternative Flow** | Display message product already exist |
| **Post Condition** | New Product has been added |

**5-Edit product:**

|  |  |
| --- | --- |
| **Use case name** | edit products |
| **Actors** | Admin |
| **Pre-condition** | Product exists |
| **Basic Flow** | 1-Enter id product  2-enter new information  3-click on edit |
| **Alternative Flow** | Product id not found |
| **Post Condition** | selected product is edited |

**7- Add Feedback:**

|  |  |
| --- | --- |
| **Use case name** | Add feedback |
| **Actors** | User |
| **Pre-condition** | User logged in |
| **Basic Flow** | 1-write feedback  2-press on add feedback button |
| **Alternative Flow** | Feedback has been already added |
| **Post Condition** | Feedback is given |

**8-Add Rate/Review:**

|  |  |
| --- | --- |
| **Use case name** | Rate/Review |
| **Actors** | Users |
| **Pre-condition** | Product exists |
| **Basic Flow** | 1-write product id  2-write the review and add the rate  3- press done |
| **Alternative Flow** | Id does not exist |
| **Post Condition** | Rate is given |

**9-View Product:**

|  |  |
| --- | --- |
| **Use case name** | View product |
| **Actors** | Admin/user |
| **Precondition** | Product exists |
| **Basic Flow** | View products |
| **Alternative Flow** | No result |
| **Post Condition** | Products are viewed |

**10-View Users List:**

|  |  |
| --- | --- |
| **Use case name** | View users list |
| **Actors** | Admin |
| **Pre-condition** | Users already registered |
| **Basic Flow** | 1-select view user button  2-list is displayed |
| **Alternative Flow** | No result |
| **Post Condition** | View user list |

**11-Compare:**

|  |  |
| --- | --- |
| **Use case name** | Compare |
| **Actors** | User |
| **Pre-condition** | Products already exist |
| **Basic Flow** | 1-write two products ids  2- press compare |
| **Alternative Flow** | Product id does not exist |
| **Post Condition** | Products being compared |

**12-Update User’s Details:**

|  |  |
| --- | --- |
| **Use case name** | Update user’s details |
| **Actors** | User |
| **Pre-condition** | User is registered |
| **Basic Flow** | 1-select the field  2-enter your new information |
| **Alternative Flow** | 1-password does not match  2-Email is not correct |
| **Post Condition** | Info updated |

**13- view men**

|  |  |
| --- | --- |
| **Use case name** | View men |
| **Actors** | User/admin |
| **Pre-condition** | Category exist |
| **Basic Flow** | 1-press on select category  2-select men  2- display products of the same category |
| **Alternative Flow** | No result |
| **Post Condition** | Products are displayed |

**14- view women**

|  |  |
| --- | --- |
| **Use case name** | View women |
| **Actors** | User/admin |
| **Pre-condition** | Category exist |
| **Basic Flow** | 1-Press on select category  2-Select women  3- display products of the same category |
| **Alternative Flow** | No result |
| **Post Condition** | Products are displayed |

**15- view kids**

|  |  |
| --- | --- |
| **Use case name** | View kids |
| **Actors** | User/admin |
| **Pre-condition** | Category exist |
| **Basic Flow** | 1-press on Select the category  2-select kids  3- display products of the same category |
| **Alternative Flow** | No result |
| **Post Condition** | Products are displayed |

**16-Search**

|  |  |
| --- | --- |
| **Use case name** | search |
| **Actors** | Users |
| **Pre-condition** | User logged in |
| **Basic Flow** | 1-Type the name of the product you want to search for  2- result displayed |
| **Alternative Flow** | Error message if Product doesn’t exist |
| **Post Condition** | Product displayed |

**17-Favorite:**

|  |  |
| --- | --- |
| **Use case name** | Favorite list |
| **Actors** | User, Admin |
| **Pre-condition** | Product exists |
| **Basic Flow** | 1-Select item  2-click on favorite star icon  3-enter product id  4- enter product name  5-select product type  7- click on add favorite |
| **Alternative Flow** | Product already exist |
| **Post Condition** | Favorite product is added |

**18-View Reviews/Rate**

|  |  |
| --- | --- |
| **Use case name** | View reviews |
| **Actors** | Admin/user |
| **Pre-condition** | Review already exist |
| **Basic Flow** | 1-press on view rate/review  2-enter item id  3-Press on view |
| **Alternative Flow** | 1.Product id does not exist  2. no result |
| **Post Condition** | Show reviews |

**19-View Feedback**

|  |  |
| --- | --- |
| **Use case name** | View feedback |
| **Actors** | Admin |
| **Pre-condition** | Feedback already exist |
| **Basic Flow** | Press on view feedback |
| **Alternative Flow** | No result |
| **Post Condition** | Show feedback |

**20-Delete Feedback**

|  |  |
| --- | --- |
| **Use case name** | Delete feedback |
| **Actors** | Admin |
| **Pre-condition** | Irrelevant Feedback already exist |
| **Basic Flow** | 1-write feedback id  2-press delete |
| **Alternative Flow** | Id does not exist |
| **Post Condition** | Feedback is deleted |

**21-Upload files**

|  |  |
| --- | --- |
| **Use case name** | Upload files |
| **Actors** | Admin |
| **Pre-condition** | Files already exist |
| **Basic Flow** | 1-press on choose file button  2-select file  2-press on submit |
| **Alternative Flow** | Invalid extension |
| **Post Condition** | File added successfully |

**22-Generate files**

|  |  |
| --- | --- |
| **Use case name** | Generate files |
| **Actors** | Admin |
| **Pre-condition** | The data that will be added to a file |
| **Basic Flow** | 1-press on manage files  2-choose generate file  3-fill data field with text  4-press on submit |
| **Alternative Flow** | --------- |
| **Post Condition** | The text written will appear in pdf file |

**23-Calculate Average Rate**

|  |  |
| --- | --- |
| **Use case name** | Calculate average rate |
| **Actors** | system |
| **Pre-condition** | Adding rate to the system |
| **Basic Flow** | 1-press on add rate/review  2-add rate and review  3-press on submit |
| **Alternative Flow** | --------- |
| **Post Condition** | Average rate will be calculated |

**1.3. Package Diagram grouping relevant Use-Cases into Packages.**

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2. Structural Diagrams

**2.1. System Architecture**

**Architecture pattern**

**MVC:** The Model-View-Controller is the architectural pattern that we use, it is mapping of functionality onto hardware and software

**It consists of 3 components:**

**Model**: it manages the data of the website (the database)

**View**: it is used for all the UI logic, display the data for the final user and

**Controller**: it is the interface between Model and View, it processes the business logic and incoming requests data.

We use as it has multiple advantages like:

1.Ability to provide multiple views

2. Development of the application becomes fast.

3. The modification does not affect the entire model

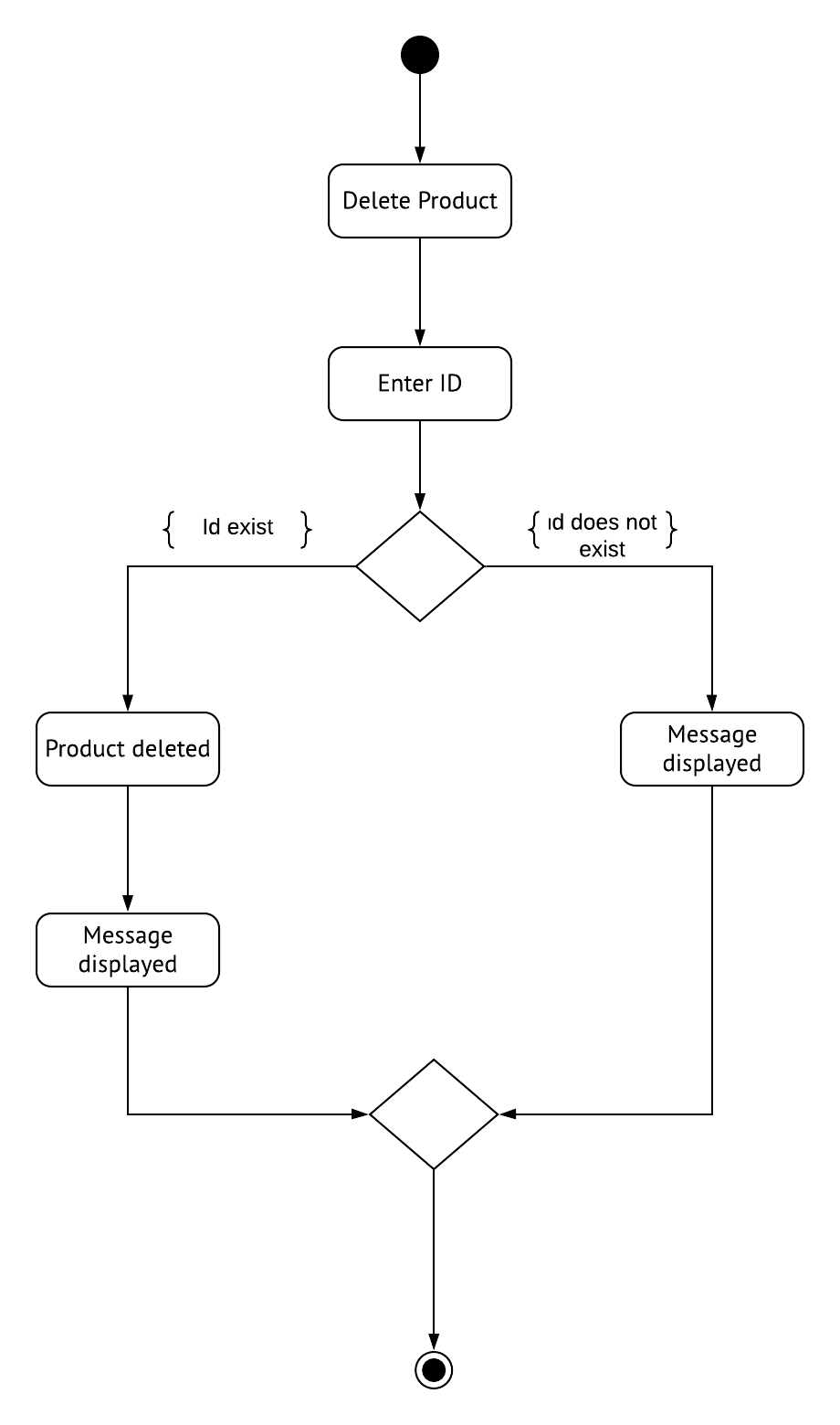
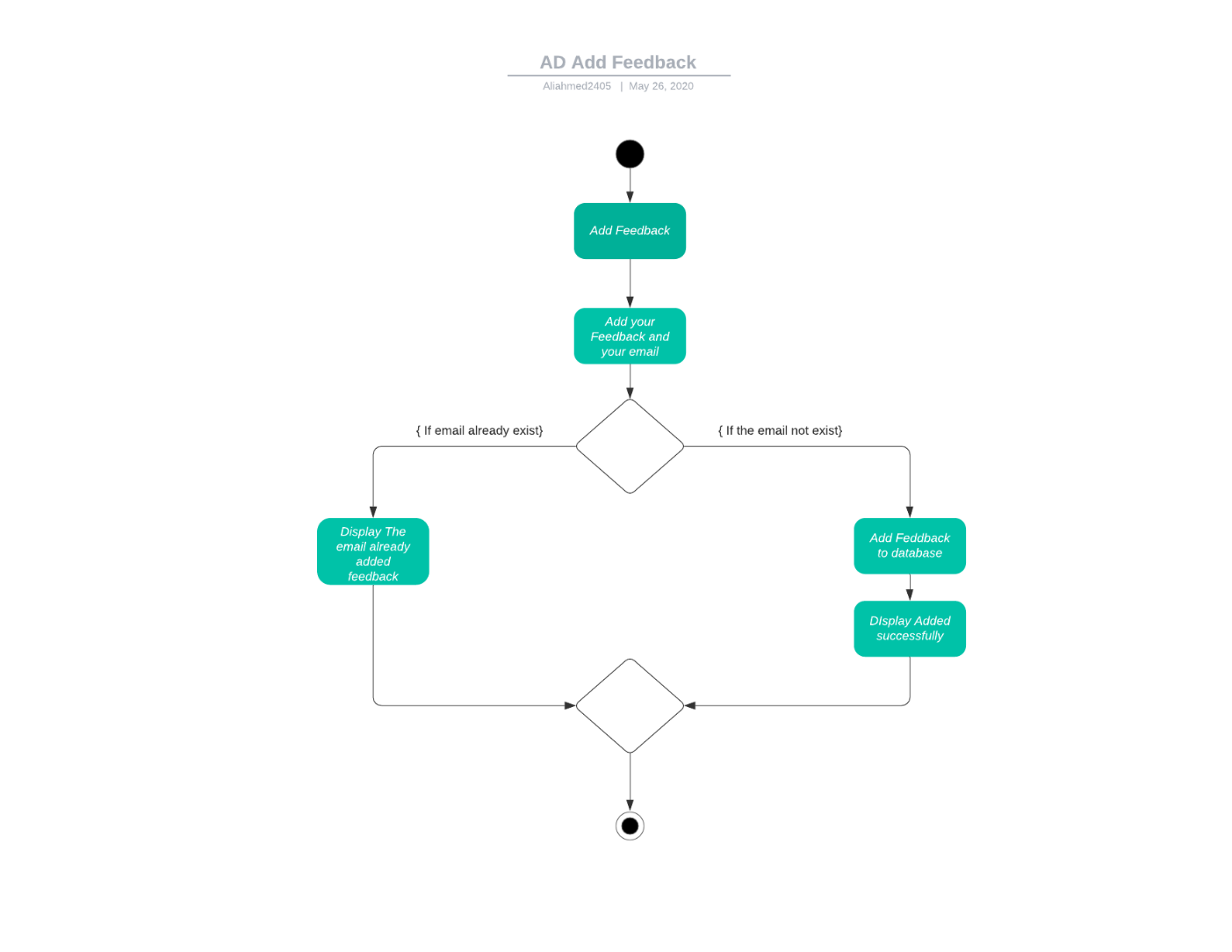
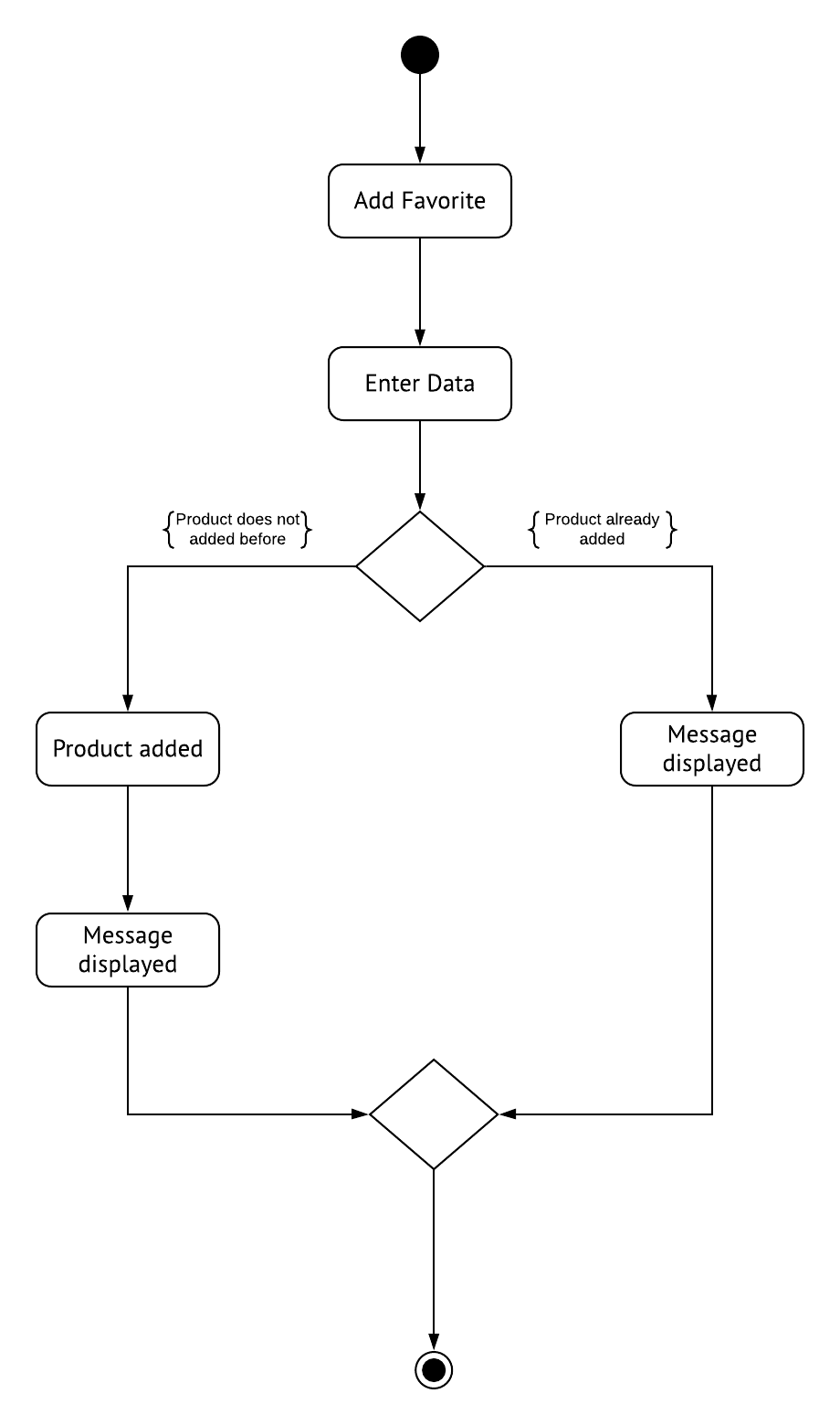
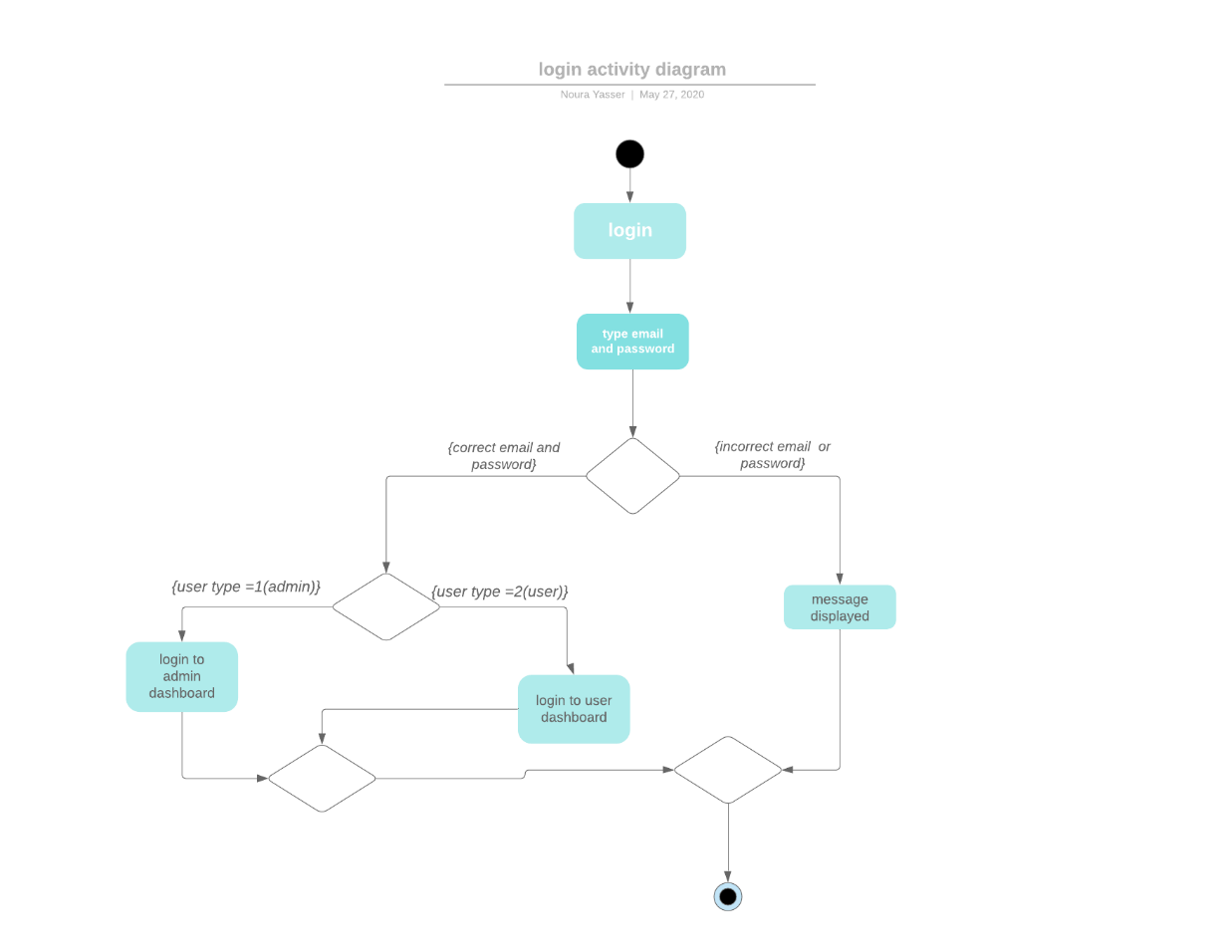
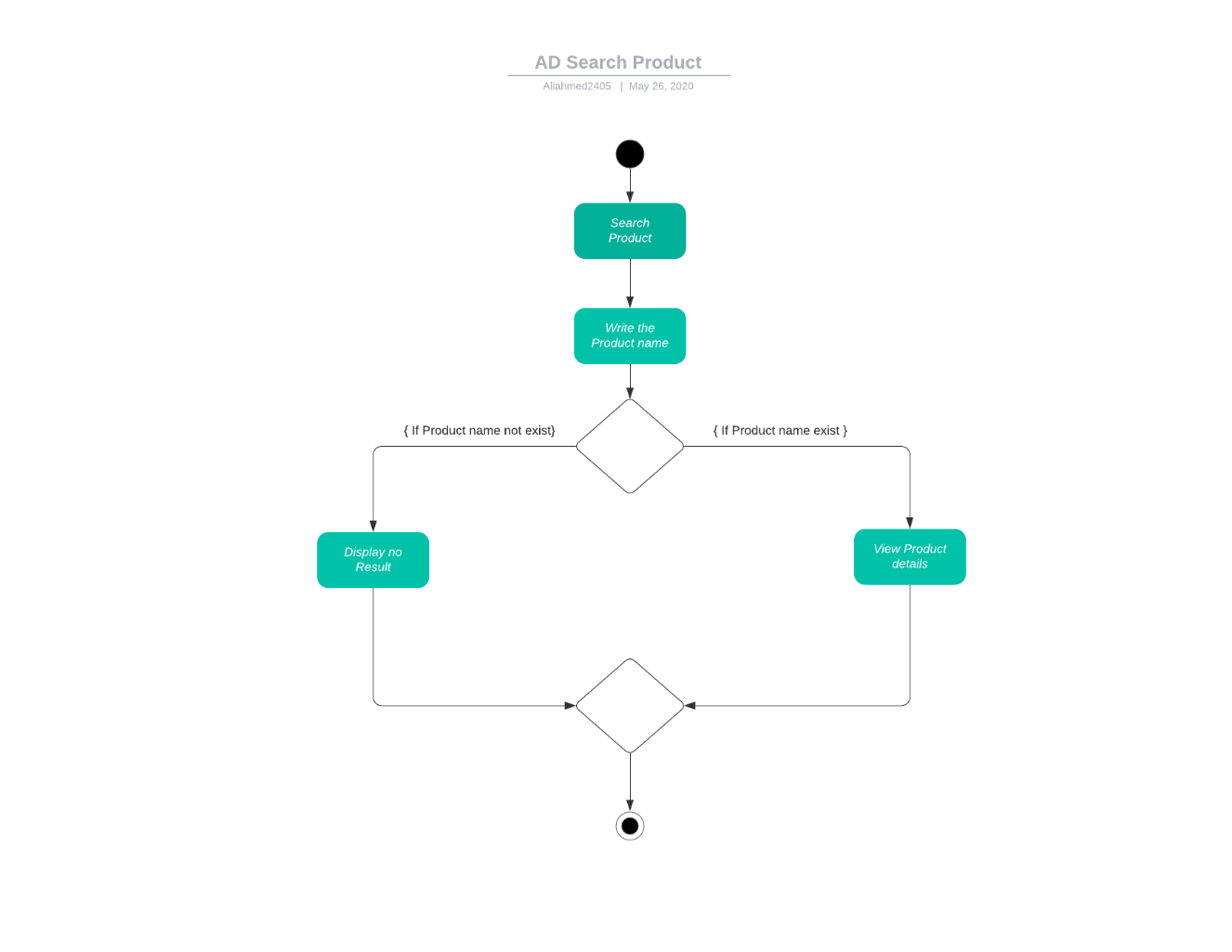
4.Easy for multiple developers to collaborate and work together

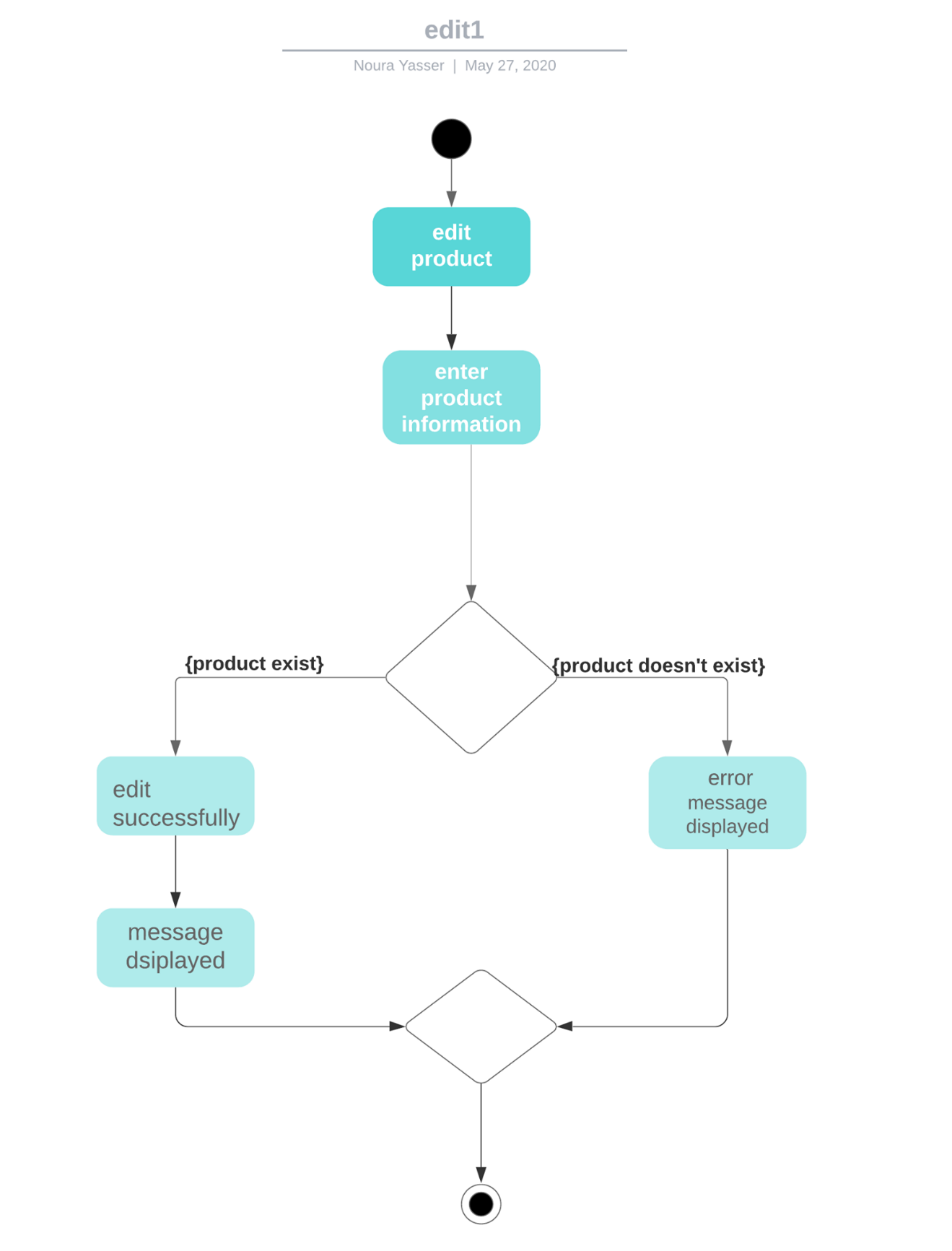
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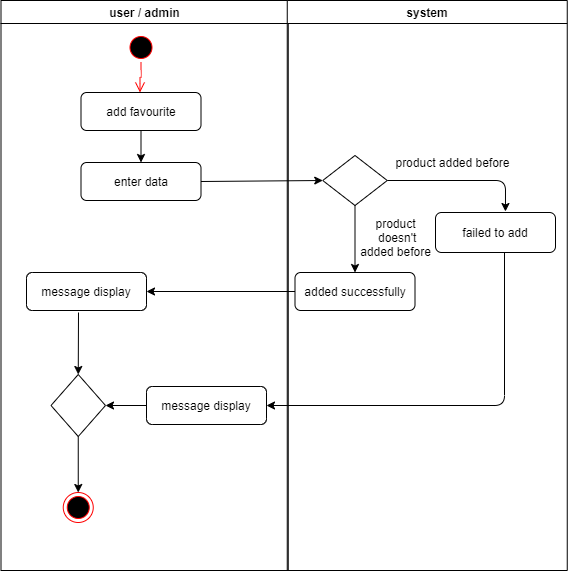
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**2.2. Activity Diagrams**   



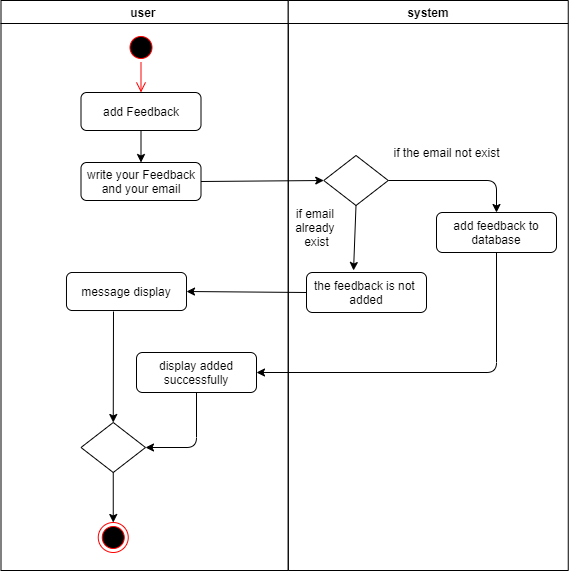
**2.3. List of User Interfaces required for the System**

**1.Add favorite:** 

**A screenshot of a cell phone

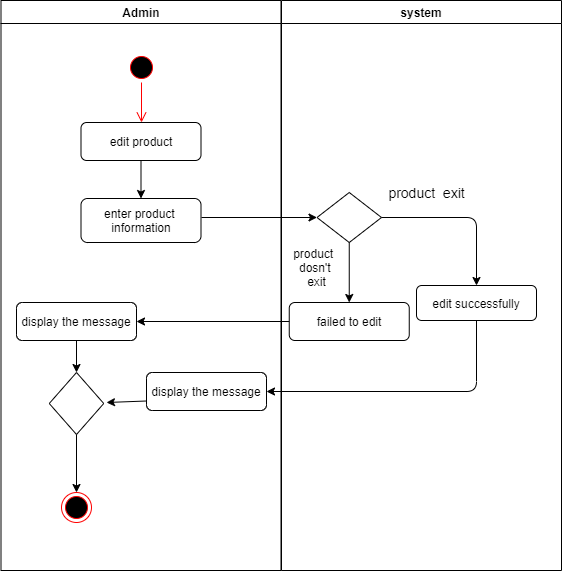
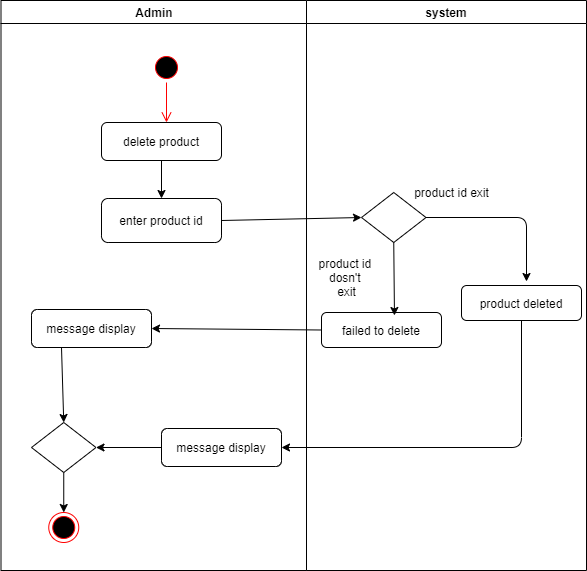
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**2.Add feedback**

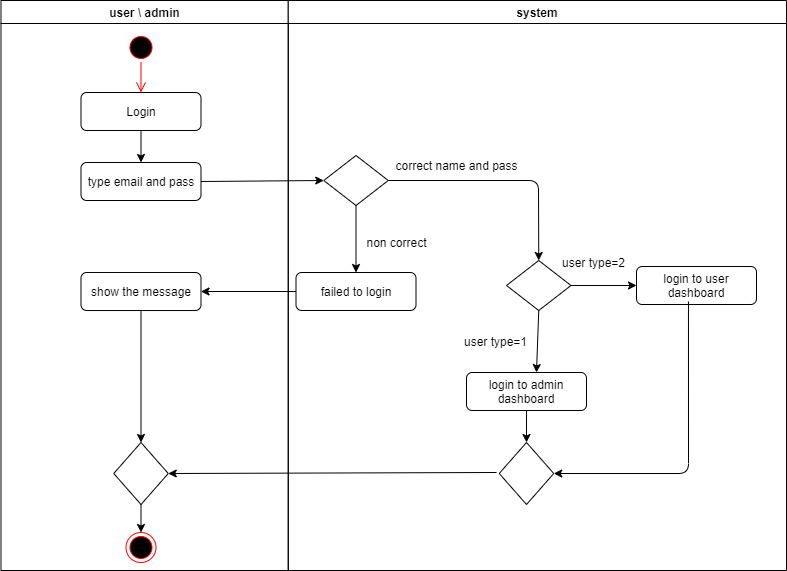


**A screenshot of a cell phone

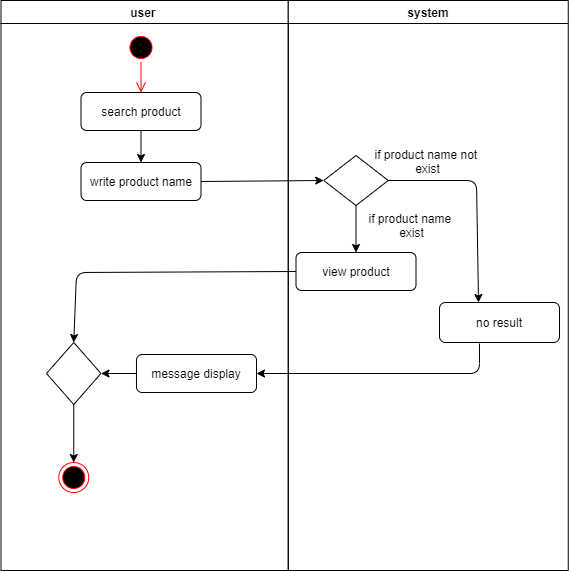
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**3.Delete/Edit products** **A screenshot of a computer screen

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**4.Login**  **A screenshot of a cell phone

Description automatically generated**

**5.Search** 

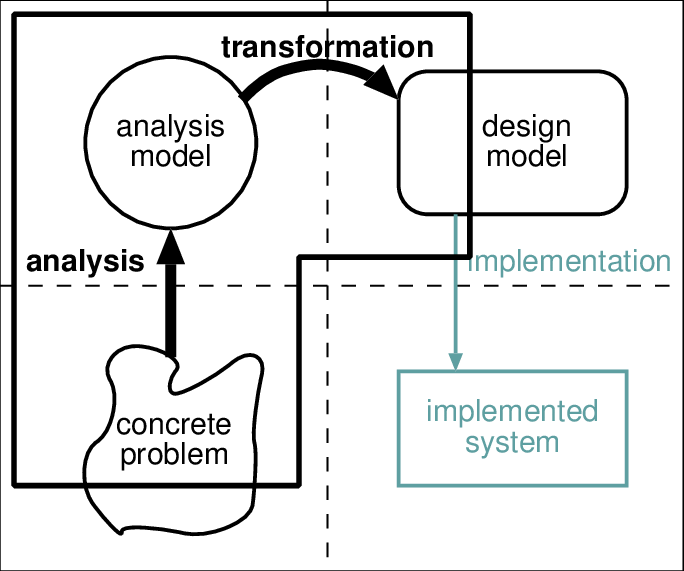
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**2.4. Software Analysis Pattern.**

**Software Analysis Pattern is:**

Analysis patterns are patterns that capture conceptual models in an application domain in order to allow reuse across applications.



**Apply Analysis Pattern in our system:**

We applied Accountability analysis pattern;

The set of Accountability patterns are used to describe relationships that define responsibilities between parties. A party can be a person or organization and the relationship can be represented as organization structures, contracts and employment.

**Applying the party analysis pattern**

|  |  |
| --- | --- |
| **Pattern Name:** | **Party** |
| Intent: | The intent of the Party pattern applies when a person or organization is responsible to another. By applying the party pattern, it can ease up the complexity/confusion of an organization/system structure model. |
| Motivation: | When a newly system getting more and more customers, the system will have internal customers info, external like customers information, departments, etc. Each of those has addresses, phone numbers, email address or other contact information. A model to representation all those entities can be quit complex. |
| Solution: | Define a party as the super type of all entities. Party is used to define countless models such as: person/organization, seller, customers. |

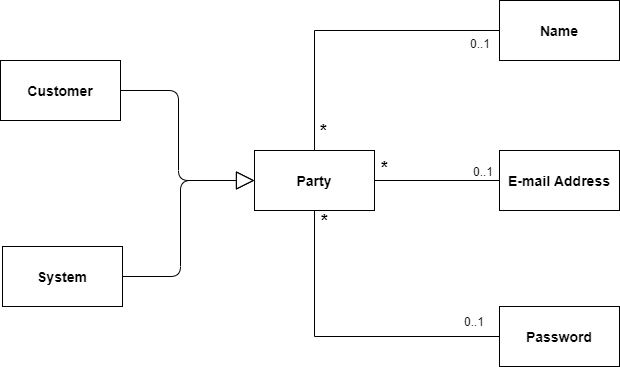


Figure: party model

**2.5. Class Diagram 1**

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**2.6. Sequence Diagrams**

**A screenshot of a cell phone

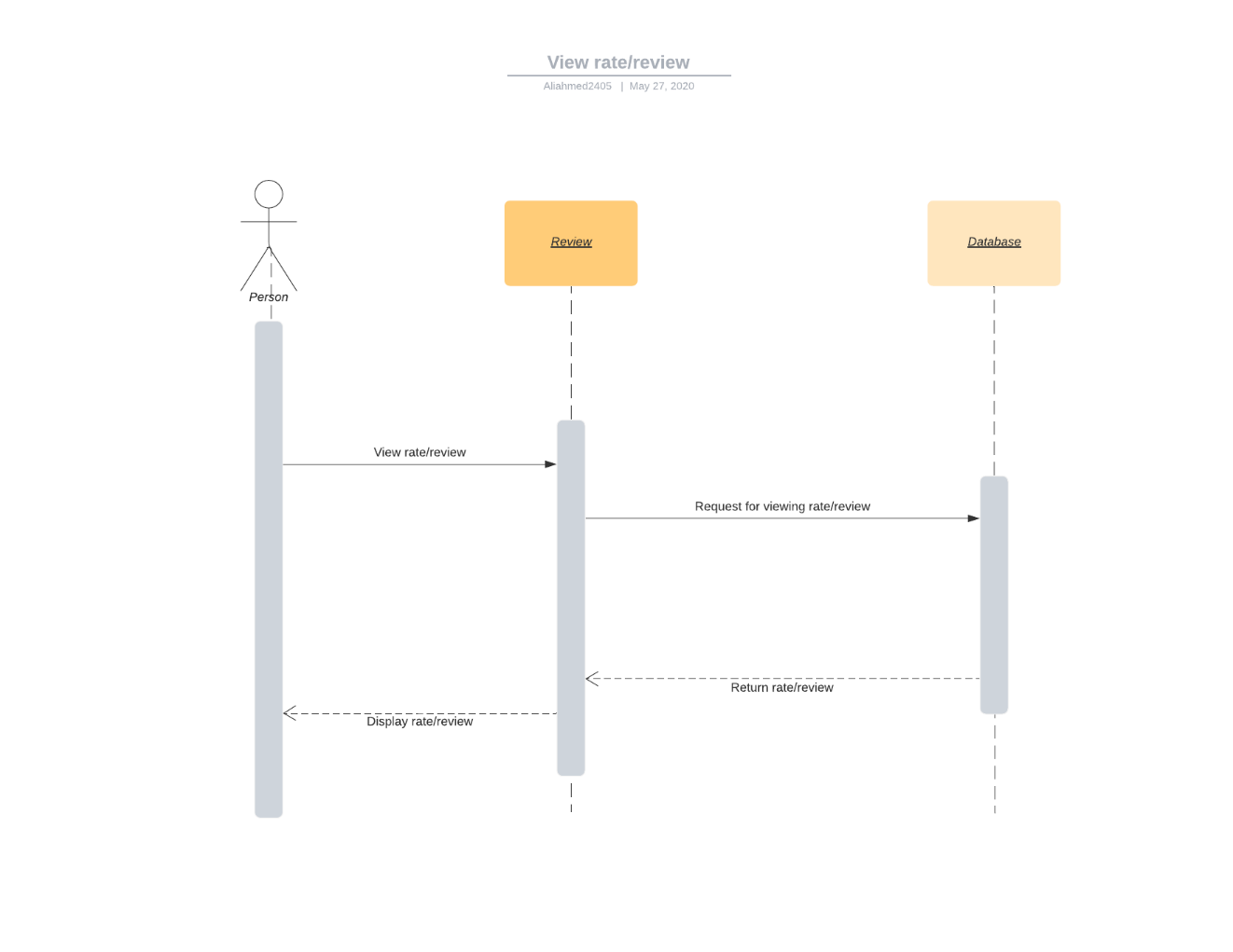
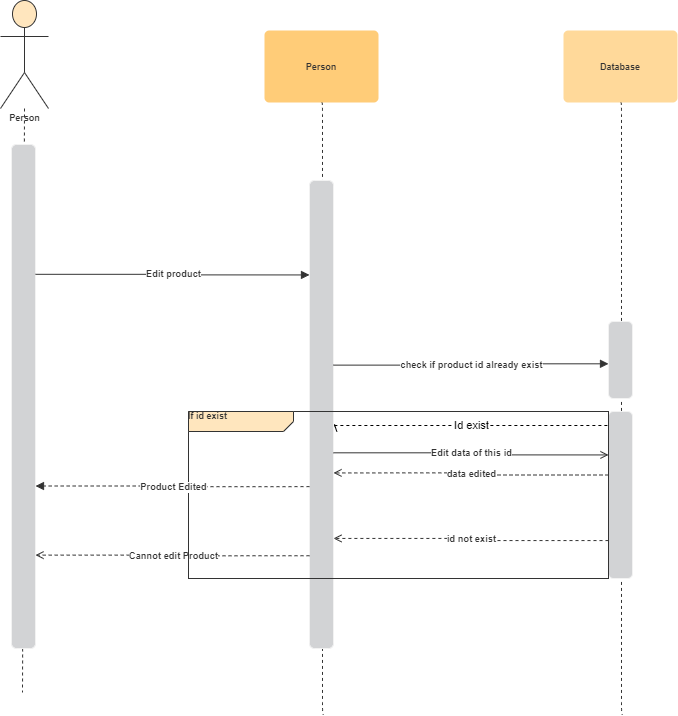
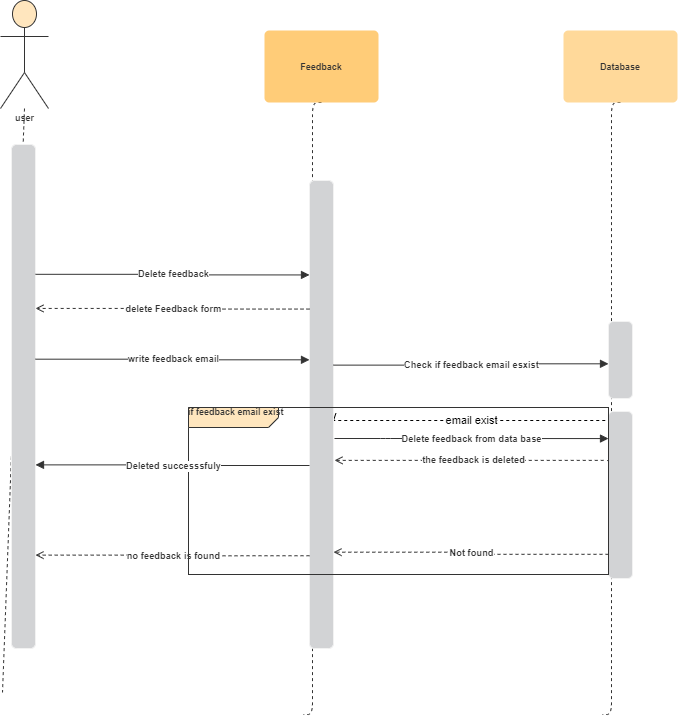
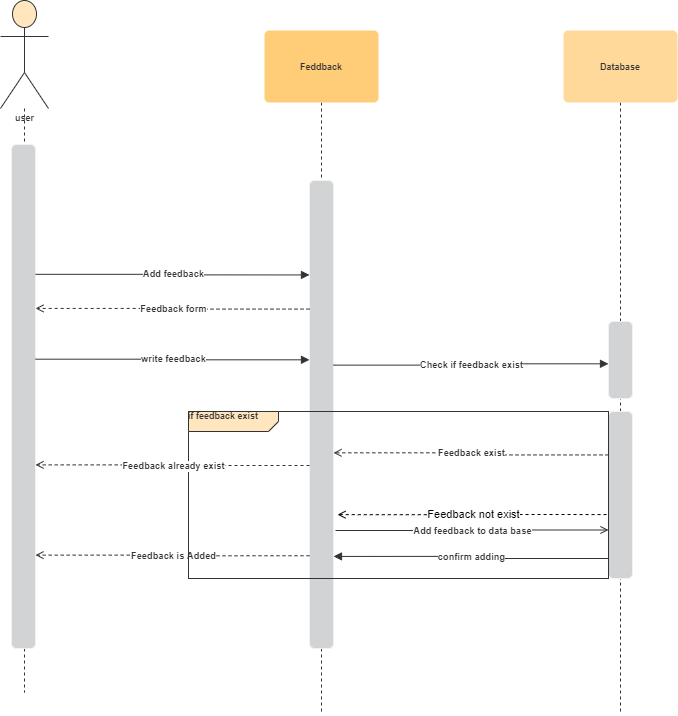
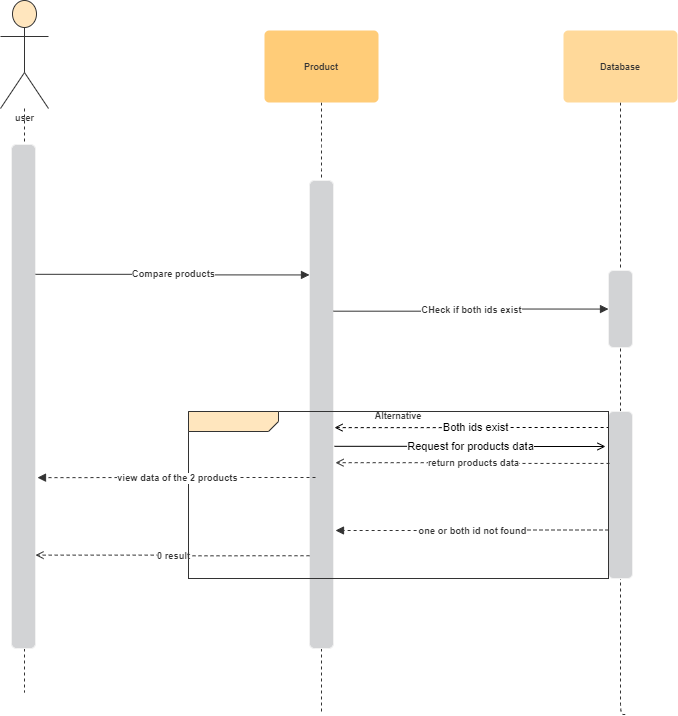
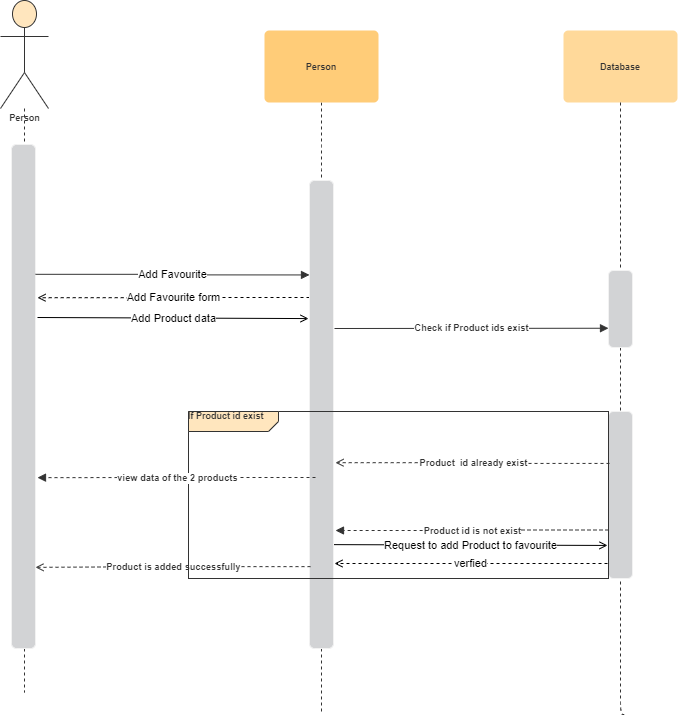
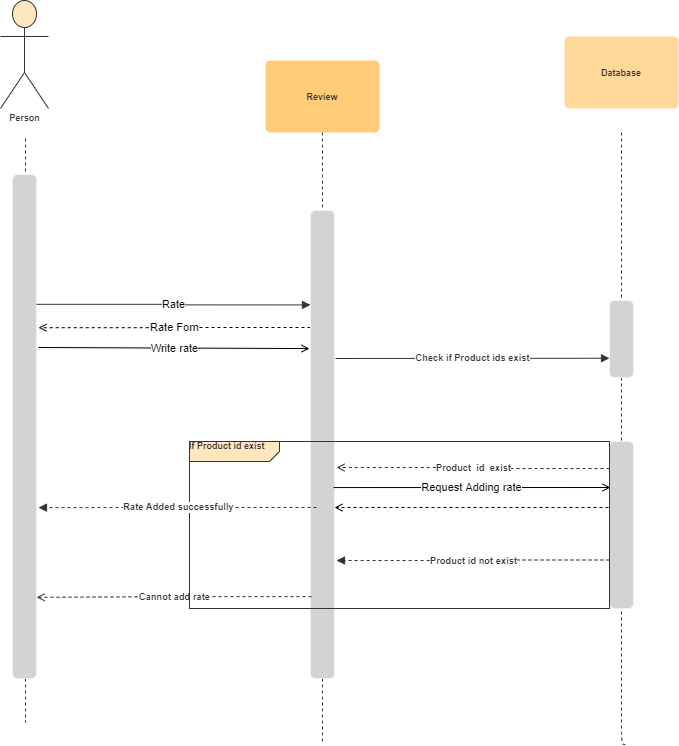
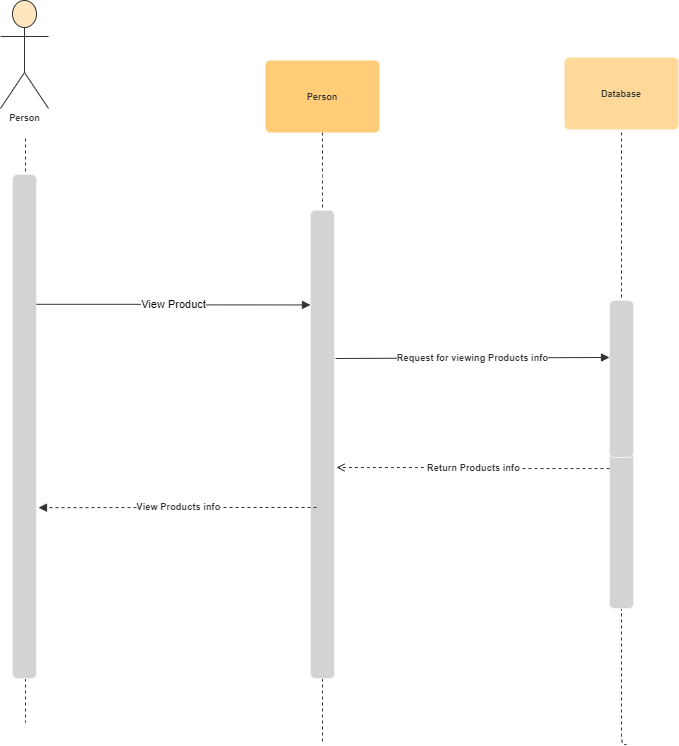
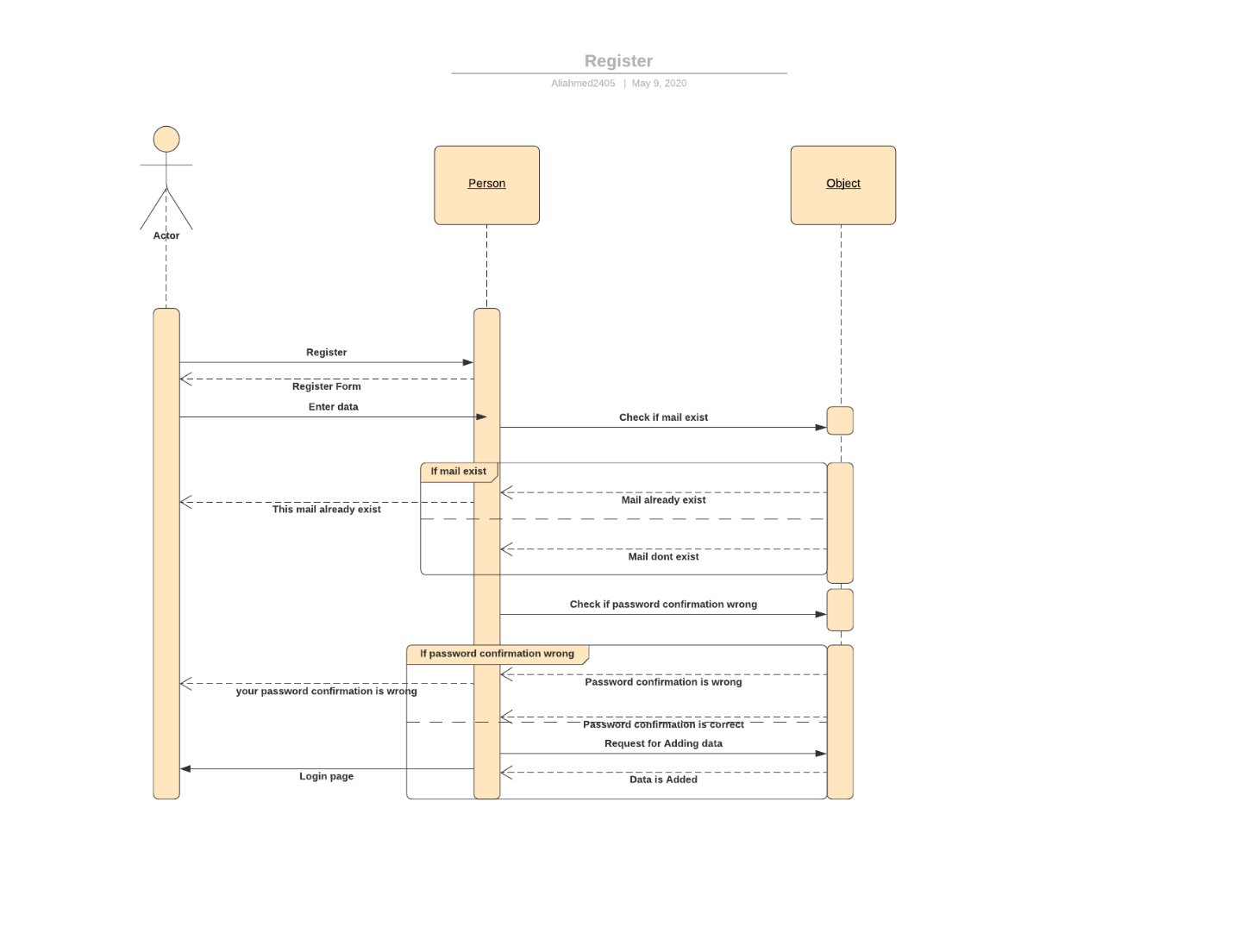
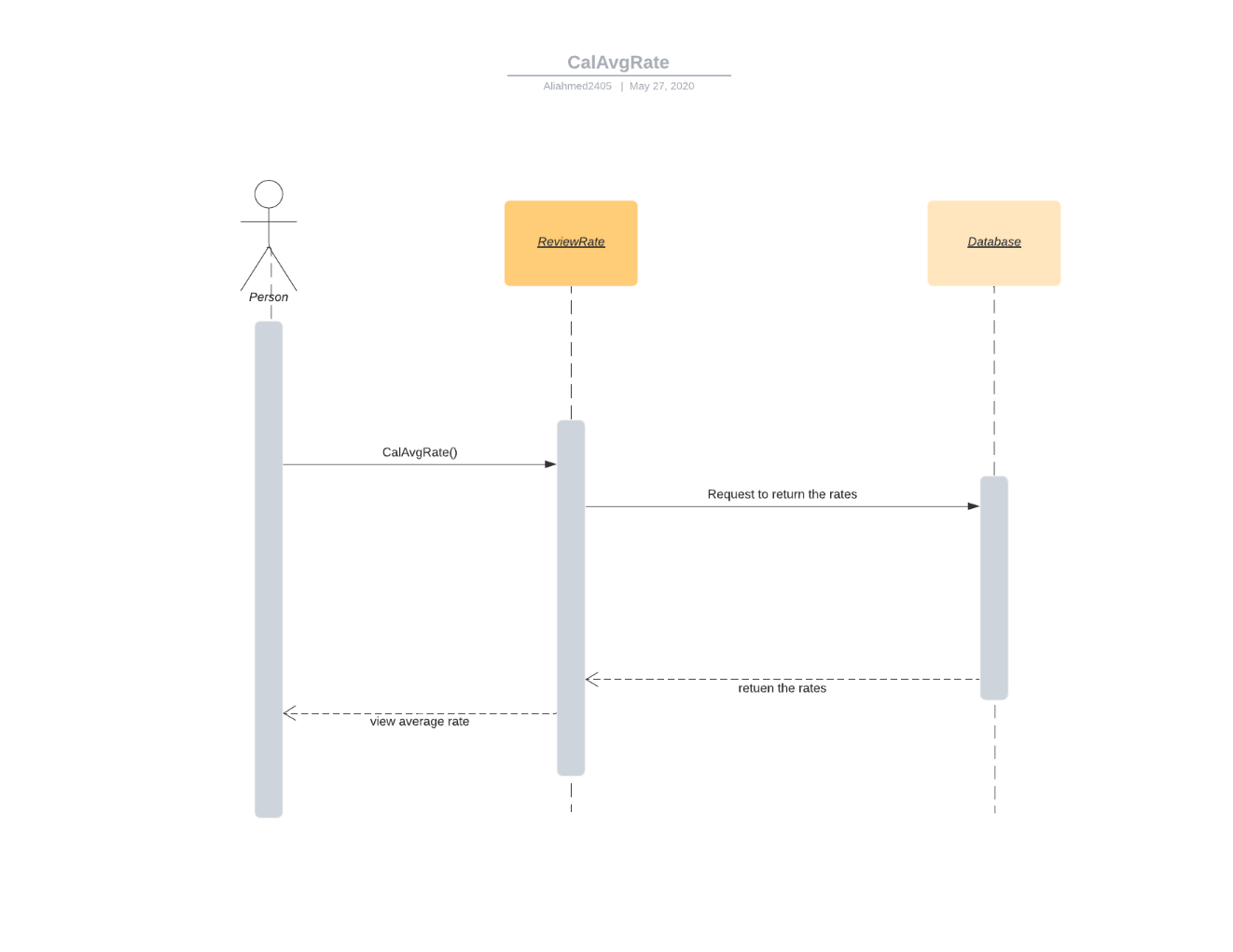
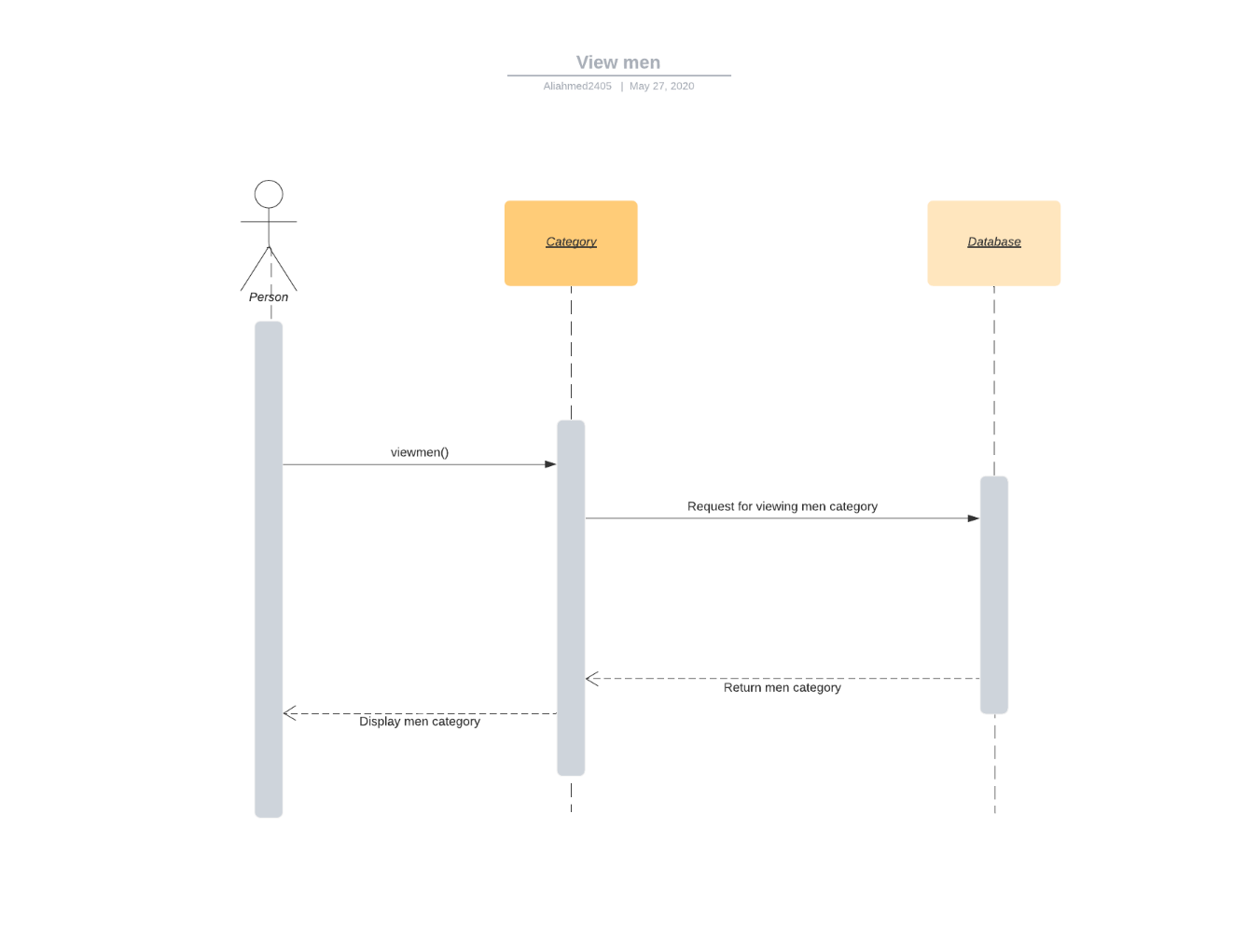
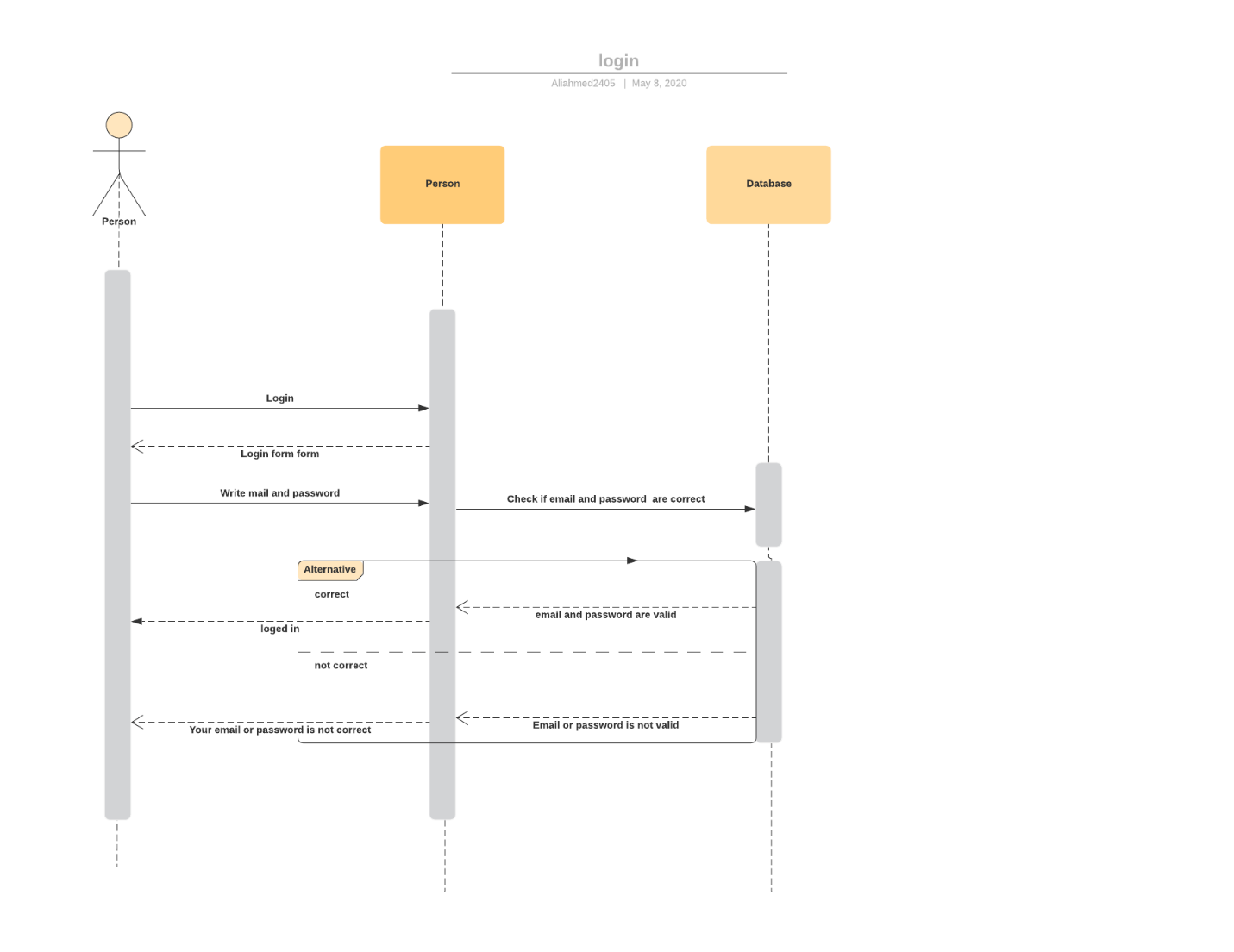
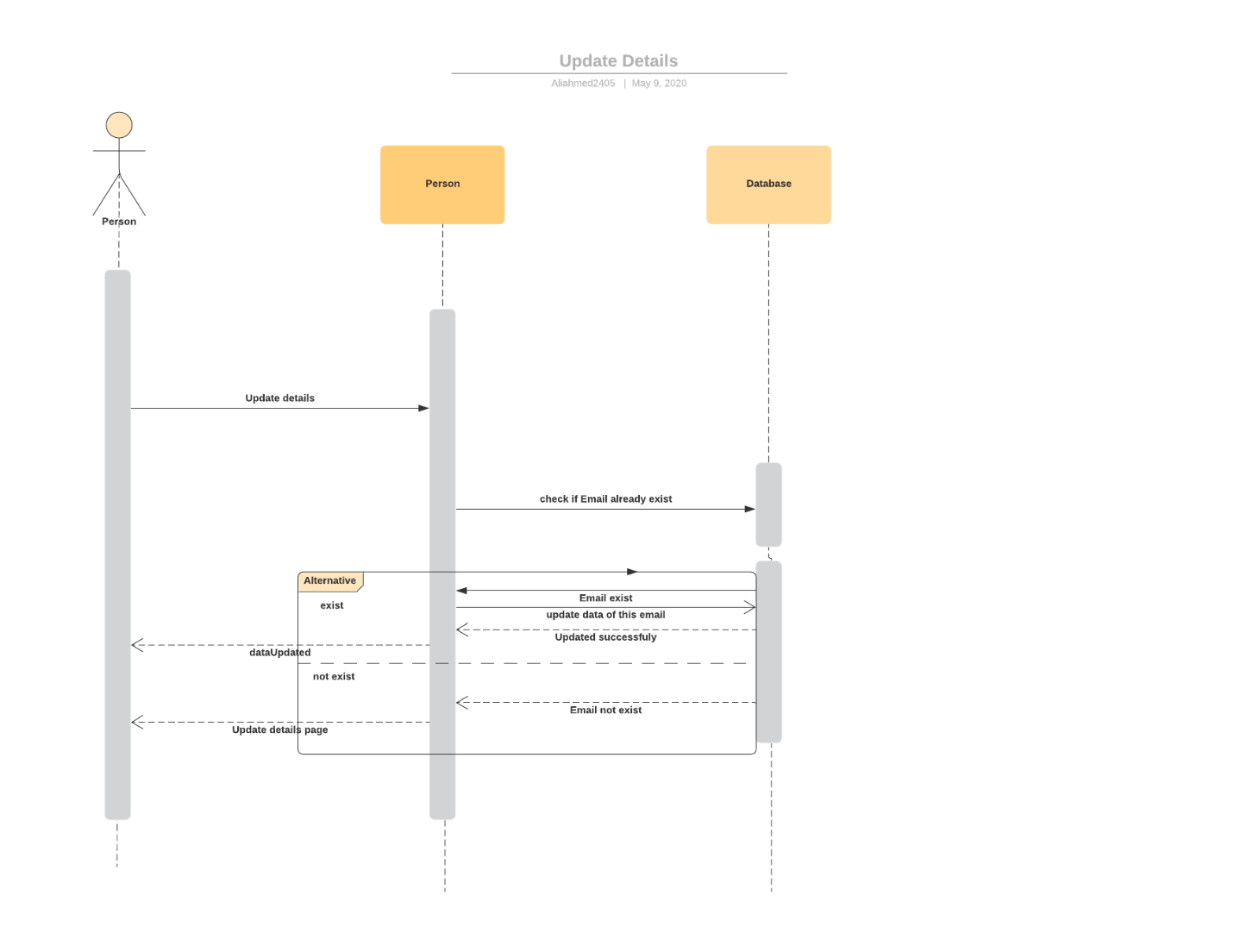
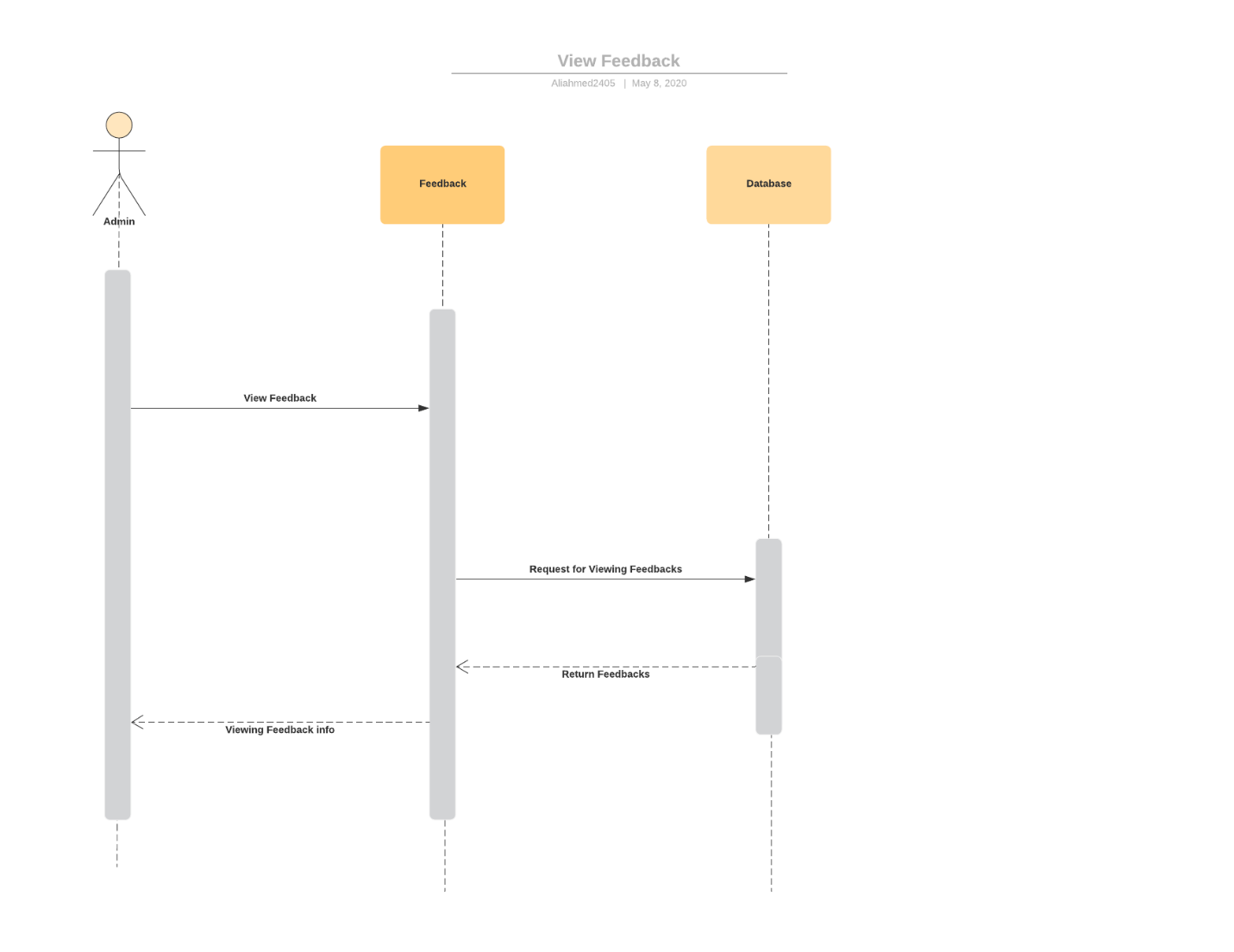
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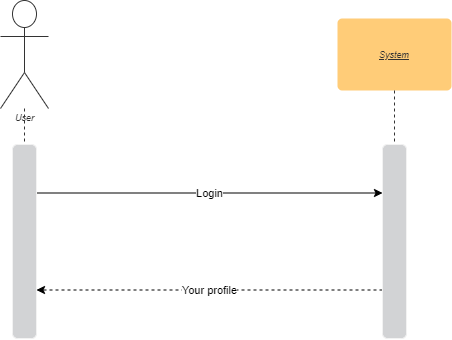
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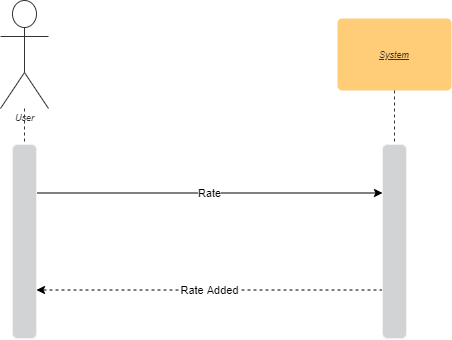
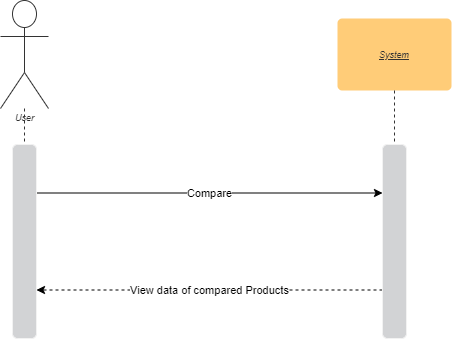
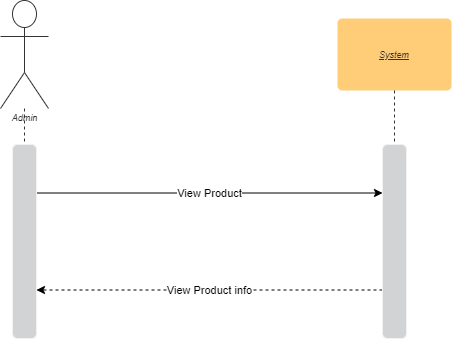
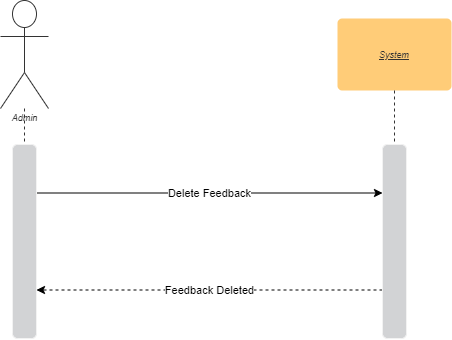
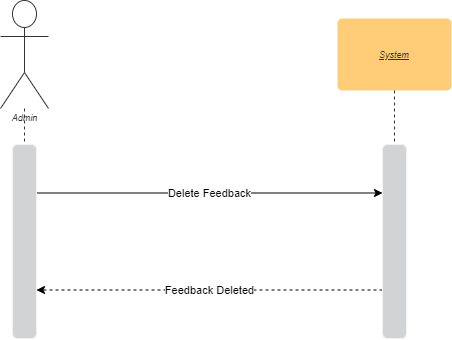
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**2.7. System Sequence Diagrams** 



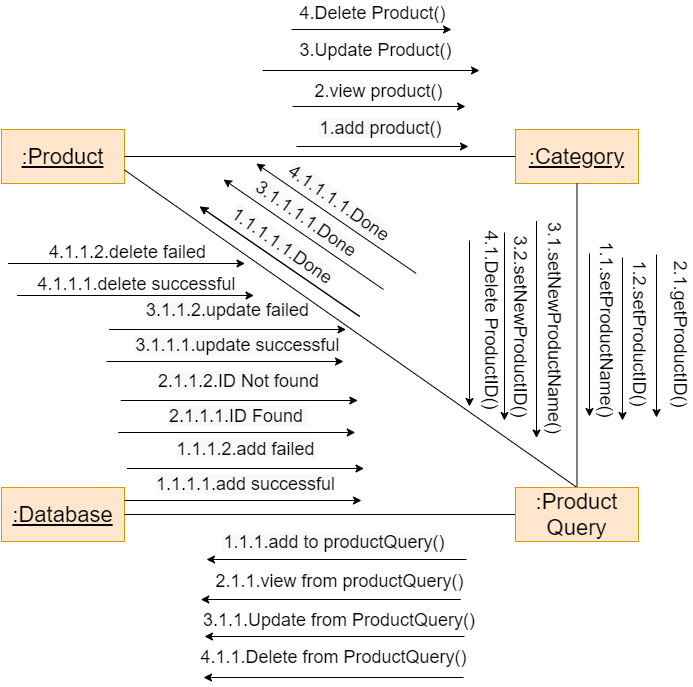
**2.8. Collaboration/Communication Diagrams A close up of text on a white background

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Description automatically generatedA close up of a map

Description automatically generated**

**2.9. strategy we use to implement the use-cases**

we used one central class strategy to implement the use cases because the interface sends all messages to a single object (all use cases are sent to the system).

**Advantage:**

-The interface only has to know the existence of one object.

-good traceability.

**Disadvantage:**

-one central class becomes overloaded with use cases

**2.10. Class Diagram 2**

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**2.11. Four Design Patterns Applied**

**1.Singleton Design Pattern**

* **context**

It's very common to find classes for which only one instance should exist.

* **Problem**

How do we ensure that is never possible to create more than one instance of a singleton class (admin class).

* **Force**

The use of a public constructor can't guarantee that no more than one instance will be created.

The Singleton instance must also be accessible to all classes that require it, therefore it must be public.

* **Solution**

Have the constructor private to ensure that no class will be able to create an instance of admin class.

Define a public static method, The first this method is called, it creates the single instance of admin class and stores a reference to that object in a static private variable.

**2.Observer Design Pattern**

* **Context:**

When partitioning a system into individual classes you want the coupling between them to lose so you have the flexibility to vary them independently.

* **Problem:**

A mechanism is needed to insure that when the user add a feedback it send notification to the admin.

* **Forces:**

The different parts of a system has to keep in step with one another without being too tightly coupled

* **Solution:**

The User has the role of “subject/publisher” and Admin has the role of “observer / subscribers”. the admin register himself with the subject and if the state of the user changes the admin are notified and can update themselves

**There are two variants:**

1. The **Push Model** where the user sends the observer detailed information about the change that has occurred. And..
2. The **Pull Model** where the user simple notify the observer that there have been changes and it’s the responsibility of the observer to find out the details they need to update themselves

**3.Immutiable Design Pattern**

* **Context**:

An immutable object is an object that has a state that never changes after creation.

In our project we have one class which have an instance that is not allowed to change after creation;

**we have one database connection:**

We don’t allow to change the connection of the database or create a new connection, because all of the data are in one database.

* **Problem:**

Is how to prevents any change or creation to our instance?

* **Forces:**

There must be no loopholes that would allow ‘illegal’ modification or changes for our immutable objects.

* **Solution**:

We must ensure that the constructor of our immutable class is the only place where the values of instance variable are set or the only way that we can modify the values.

Instance methods which have the access properties to our instance variable must not change it.

**In the database connection:**

We prevent all the instance methods that have the access to the instance variable “connection variable” from adding a new variable or change the current variable.

**4.Delegation Design Pattern**

**•Context**

We are designing a method in a class. We know that another class has a method which provides the required service.

**•Problem**

How can we use of the method that already exists in another one?

**•Forces**

We want to reuse methods and minimize the cost.

<association >

**•Solution**

The delegation method in the delegator class calls a method in the delegate class to do this task.

Association relation must be between the delegator class and delegate class.

**2.12. Class Diagram 3**

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**Part 3**

1. **Front-End Design for all Functions**

* **View Users**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<link rel="stylesheet" href="home.css">

<title>UsersList</title>

</head>

</head>

<body>

<div class="sidenav">

<div class="sidenav">

<div class="login-main-text">

<h3>Application<br> USERLIST PAGE</h3>

<p>ALL USERS ACCOUNTS APEAR HERE</p>

</div>

</div>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

</div>

<br>

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>Username</th>

<th>email</th>

</tr>

<?php

include 'admin.php';

$a = admin::getInstance();

$a->admin\_viewusers();

?>

</table>

* **Compare Products**

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<head>

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<meta name="viewport" content="width=device-width, initial-scale=1.0">

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id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="htstps://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>""

<link rel="stylesheet" href="style.css">

<title>Compare</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Compare<br> Products Page</h2>

<p>Write the ids of the products you want to compare them .</p>

</div>

</div>

<div class="main">

<div class="user-action">

<form method ="post">

<div class="form-group"style="margin : 20Px 20px">

<label>Product1 ID</label>

<input type="text" name="ProductID1" class="form-control" placeholder="Product1 ID">

</div>

<div class="form-group"style="margin : 20Px 20px">

<label>Product2 ID</label>

<input type="text" name="ProductID2" class="form-control" placeholder="Product2 ID">

</div>

<button type="submit" name="Compare" class="btn btn-secondary"style="margin:5px 20px;

;">

Compare

</button>

<div>

<br>

<table>

<link rel="stylesheet" href="table.css">

<tr>

<div class="row">

<div class="col-2">ID</div>

<div class="col-2">NAME</div>

<div class="col-2">PRICE</div>

<div class="col-2">RATE/REVIEW</div>

</div>

<?php

include('Product.php');

$p = new Product();

if(isset($\_POST['Compare'])){

$p->compareProduct();

}

?>

</table>

</div>

</form>

</div>

</div>

</div>

</body>

</html>

* **Admin Panel**

<?php

include("alerts.php");

?>

<!DOCTYPE html>

<html lang="en">

<head>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous"

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>""

<link rel="stylesheet" href="style.css">

<title>Admin Panel</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h1>Application<br> HOME Page</h1>

<p>WELCOME ADMIN.</p>

</div>

</div>

<div style="margin:30px 0px">

<nav class="navbar navbar-expand-lg navbar-light bg-light" >

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsExampleDefault" aria-controls="navbarsExampleDefault" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarsExampleDefault">

<ul class="navbar-nav ml-auto">

<li class="nav-item dropdown ">

<a class="nav-link" href="http://example.com" id="dropdown01" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Notifications

<?php

$query = "SELECT \* from `system\_feedback` where `status` = 'unread' order by `date` DESC";

if(count(fetchAll($query))>0){

?>

<span class="badge badge-light"><?php echo count(fetchAll($query)); ?></span>

<?php

}

?>

</a>

<div class="dropdown-menu dropdown-menu-right" aria-labelledby="dropdown01">

<?php

$query = "SELECT \* from `system\_feedback` order by `date` DESC";

if(count(fetchAll($query))>0){

foreach(fetchAll($query) as $i){

?>

<a style ="

<?php

if($i['status']=='unread'){

echo "font-weight:bold;";

}

?>

" class="dropdown-item dropdown-menu-right" href="view.php?id=<?php echo $i['id'] ?>">

<small><i><?php echo date('F j, Y, g:i a',strtotime($i['date'])) ?></i></small><br/>

<?php

if($i['status']=='unread' ){

echo "Someone Added New Feedback.";

}else if($i['status']=='read'){

echo "One Feedback Added .";

}

?>

</a>

<div class="dropdown-divider "></div>

<?php

}

}else{

echo "No Records yet.";

}

?>

</div>

</li>

</ul>

</div>

</nav>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<br>

<div class="main">

<div class="user-action">

<div class="dropdown show" style= "margin:5px;">

<a class="btn btn-secondary dropdown-toggle" href="#" role="button" id="dropdownMenuLink" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">

Select Category

</a>

<div class="dropdown-menu" aria-labelledby="dropdownMenuLink">

<a class="dropdown-item" href="men.php">MEN</a>

<a class="dropdown-item" href="women.php">WOMEN</a>

<a class="dropdown-item" href="kids.php">KIDS</a>

</div>

</div>

<div class="dropdown show" style= "margin:5px;">

<a class="btn btn-black dropdown-toggle" href="#" role="button" id="dropdownMenuLink" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">

Feedback

</a>

<div class="dropdown-menu" aria-labelledby="dropdownMenuLink">

<a class="dropdown-item" href="view.php">ViewFeedback</a>

<a class="dropdown-item" href="deletefeedback.php">DeleteFeedback</a>

</div>

</div>

<div class="dropdown show" style= "margin:5px;">

<a class="btn btn-secondary dropdown-toggle" href="#" role="button" id="dropdownMenuLink" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">

Manage Files

</a>

<div class="dropdown-menu" aria-labelledby="dropdownMenuLink">

<a class="dropdown-item" href="upload.php">UploadFiles</a>

<a class="dropdown-item" href="generate.php">GenerateFiles</a>

</div>

</div>

<button type="submit" name="users List" class="btn btn-black" style= "margin:5px;">

<a href="viewusers (1).php" class="anchor-button">Users List</a>

</button>

<button type="submit" name="Manage Product " class="btn btn-secondary" style= "margin:5px;">

<a href="Productmanager.php" class="anchor-button">Manage Product</a>

</button>

<button type="submit" name="logout " class="btn btn-black"style= "margin:5px;" >

<a href="login.php" class="anchor-button">Logout</a>

</button>

</div>

<br>

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>ID</th>

<th>Name</th>

<th>Price</th>

<th> AverageRate</th>

<th>Seller</th>

<th>Phone</th>

<th>Address</th>

<th>WishList</th>

<th> Review/Rate</th>

<?php

include 'person.php';

$p = new person();

$p->viewproduct();

?>

</table>

</div>

</body>

</html>

* **User Panel**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>""

<link rel="stylesheet" href="style.css">

<title>User Panel</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h1>Application<br> HOME Page</h1>

<p>WELCOME TO OUR WEBSITE</p>

</div>

</div>

<div class="main">

<div class="user-action">

<div class="dropdown show" style= "margin:3px;">

<a class="btn btn-secondary dropdown-toggle" href="#" role="button" id="dropdownMenuLink" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">

Select Category

</a>

<div class="dropdown-menu" aria-labelledby="dropdownMenuLink">

<a class="dropdown-item" href="men.php">MEN</a>

<a class="dropdown-item" href="women.php">WOMEN</a>

<a class="dropdown-item" href="kids.php">KIDS</a>

</div>

</div>

<button type="submit" name="Update Details" class="btn btn-black" style= "margin:3px;">

<a href="updateDetails.php" class="anchor-button">Update Details</a>

</button>

<button type="submit" name ="Search" class="btn btn-secondary" style= "margin:3px;">

<a href="SearchProduct.php" class="anchor-button">Search</a>

</button>

<button type="submit" name="Feedback " class="btn btn-black"style= "margin:3px;">

<a href="view.php" class="anchor-button">Feedback</a>

</button>

<button type="submit" name ="Add Feedabck" class="btn btn-secondary" style= "margin:3px;">

<a href="addfeedback.php" class="anchor-button"> ADD Feedback</a>

</button>

<button type="submit" name="Rate/Review " class="btn btn-black"style= "margin:3px;">

<a href="review\_rate2.php" class="anchor-button">Rate/Review</a>

</button>

<button type="submit" name="logout " class="btn btn-secondary"style= "margin:3px;" >

<a href="login.php" class="anchor-button">Logout</a>

</button>

</div>

<br>

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>ID</th>

<th>Name</th>

<th>Price</th>

<th> AverageRate</th>

<th>Seller</th>

<th>Phone</th>

<th>Address</th>

<th>WishList</th>

<th> Review/Rate</th>

<?php

include 'person.php';

$p = new person();

$p->viewproduct();

?>

</table>

</div>

</body>

</html>

* **Product Manager**

<?php

include ('Product.php');

$p = new Product();

if(isset($\_POST['Edit'])){

$p->Edit();

}

$f = new Product();

if(isset($\_POST['Delete'])){

$f->DeleteProduct();

}

$d = new Product();

if(isset($\_POST['Add'])){

$d->Addproduct();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<script>

function isInputNumber(evt){

var ch = String.fromCharCode(evt.which);

if(!(/[0-9]/.test(ch))){

evt.preventDefault();

}

}

</script>

<link rel="stylesheet" href="style.css">

<title>Product Manager</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Manage<br> Product Page</h2>

<p>Choose the operation you want to use.</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

<div class="login-form">

<form method ="post">

<div class="form-group">

<label>Product Id</label>

<input type="text" name="ProductId" class="form-control" placeholder="Product Id">

</div>

<div class="form-group">

<label>Product Name</label>

<input type="text" name="ProductName" class="form-control" placeholder="Product name" minlength="3" maxlength="30">

</div>

<div class="form-group">

<label>Product Price</label>

<input type="text" name="ProductPrice" class="form-control" placeholder="Product Price" maxlength="5" onkeypress="isInputNumber(event)">

</div>

<div class="form-group">

<label>Category ID</label>

<input type="text" name="CategoryId" class="form-control" placeholder="CategoryId" maxlength="2">

</div>

<div class="form-group">

</div>

<div class="form-group">

<label>Seller Name</label>

<input type="text" name="SellerName" class="form-control" placeholder="Seller Name">

</div>

<div class="form-group">

<label>Seller Number</label>

<input type="text" name="SellerNumber" class="form-control" placeholder="Seller Number">

</div>

<div class="form-group">

<label>Seller Address</label>

<input type="text" name="SellerAddress" class="form-control" placeholder="Seller Address">

</div>

<button type="submit" name="Add" class="btn btn-black" style= "margin:5px";>

Add

</button>

<button type="submit" name="Delete" class="btn btn-secondary" style= "margin:5px";>

Delete

</button>

<button type="submit" name="Edit" class="btn btn-black" style= "margin:5px";>

Edit

</button>

</form>

</div>

</div>

</div>

</body>

</html>

* **Delete Feedback**

<?php

include ('feedback.php');

if(isset($\_POST['Delete'])){

$f= new feedback();

$f->Deletefeedback();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>""

<link rel="stylesheet" href="style.css">

<title>Delete Feedback</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>WELCOME<br> Delete Feedback Page</h2>

<p>YOU CAN DELETE FEEDBACKS FROM HERE .</p>

</div>

</div>

<div class="main">

<div class="user-action">

<form method ="post">

<div class="form-group"style="margin : 20Px 20px">

<label>FeedbackID</label>

<input type="text" name="ID" class="form-control" placeholder="ID">

</div>

<button type="submit" name="Delete" class="btn btn-secondary"style="margin:5px 20px;

;">

Delete

</button>

</button>

<table>

</div>

</body>

</html>

* **Add Feedback**

<?php

//session\_start();

include ('feedback.php');

if(isset($\_POST['f'])){

$f= new feedback();

$f->Addfeedback();

}

?>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<link rel="stylesheet" href="home.css">

<title>Add feedback</title>

</head>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h3>Application<br> ADD FEEDBACK PAGE</h3>

<p>ALL USERS CAN ADD FEEDBACK FROM HERE</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

</div>

<div class="main" >

<div class="col-md-6 col-sm-12">

<div class="login-form">

<form method="post" >

<div class="form-group" >

<label>Email</label>

<input type="text" name="email" class="form-control" placeholder="E-mail" required="" minlength="7" maxlength="19">

</div>

<div class="form-group" >

<label>Feedback</label>

<textarea name="fb" rows="5" cols="35" class="form-control" placeholder="Add Feedback" required="" minlength="3" maxlength="150"></textarea>

</div>

</div>

<button type="submit" name="f" class="btn btn-black">

ADD

</button>

</form>

</div>

</div>

</div>

</div>

</body>

</html>

* **View Feedback**

<?php

include("alerts.php");

$id = $\_GET['id'];

$query ="UPDATE `system\_feedback` SET `status` = 'read' WHERE `id` = $id;";

performQuery($query);

$query = "SELECT \* from `system\_feedback` where `id` = '$id';";

if(count(fetchAll($query))>0){

foreach(fetchAll($query) as $i){

if($i['status']=='unread'){

echo "Someone Added New Feedback.<br/>".$i['date'];

}

}

}

?>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<link rel="stylesheet" href="home.css">

<title>Feedback</title>

</head>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h3>Application<br> FEEDBACK PAGE</h3>

<p>ALL USERS FEEDBACK ABOUT WEBSITE</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

</div>

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>FeedbackID</th>

<th>System Feedback</th>

<?php

include 'person.php';

$p = new person();

$p->viewfeedback();

?>

</table>

* **Add Favorite**

<?php

//session\_start();

include ('person.php');

if(isset($\_POST['fav']))

{

$p= new person();

$p->add\_favorite();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<title>ADD FAVORITE</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> ADD Favorite page</h2>

<p>YOUR FAVORITE ITEMS ARE ADDED FROM HERE</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

<div class="login-form">

<form method="post" >

<div class="form-group" >

<label>Product\_ID</label>

<input type="text" name="Product\_ID" class="form-control" placeholder="Product\_ID" required="">

</div>

<div class="form-group">

<label>Product\_Name</label>

<input type="Product\_Name" name="Product\_Name" class="form-control" placeholder="Product\_Name" required="" minlength="3" maxlength="30">

</div>

<div class="form-group">

</div>

<div class="form-group">

<label for="Product\_Type">Select Product Type:</label>

<select name="Product\_Type">

<option value="1">MEN</option>

<option value="2">WOMEN</option>

<option value="3">KIDS</option>

<select>

</div>

</div>

<div class="form-group">

</div>

<button type="submit" name="fav" class="btn btn-black">

ADD FAVORITE

</button>

</form>

</div>

</div>

</div>

</body>

</html>

* **View Rate/Review**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<link rel="stylesheet" href="home.css">

<title>REVIEW/Rate</title>

</head>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> RATE/REVIEW Page</h2>

<p>ALL PRODUCT RATE AND REVIEW</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

</div>

</head>

<body>

<div class="main" >

<div class="relative">

<br>

<form method="post" style="text-align:center" >

<h4>Enter ProductID To Get It's Review </h4>

<div>

<input type="text" name="ProductID" class="form-control" placeholder="ProductID" required="" >

</div>

<br>

<button type="submit" name="rate" class="btn btn-black">

submit

</button>

</form>

</div>

</div>

<br>

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>Review</th>

<th>ProductRate</th>

<?php

include 'person.php';

$p = new person();

$p->viewRR();

?>

</table>

</body>

</html>

* **Search Products**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>""

<link rel="stylesheet" href="style.css">

<title>Search</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Search<br> Product Page</h2>

<p>Write the name of the product you want to search for .</p>

</div>

</div>

<div class="main">

<div class="user-action">

<form method ="post">

<div class="form-group"style="margin : 20Px 20px">

<label>ProductName</label>

<input type="text" name="ProductName" class="form-control" placeholder="Product name" minlength="3" maxlength="30">

</div>

<button type="submit" name="Search" class="btn btn-secondary"style="margin:5px 20px;

;">

Search

</button>

</button>

<table>

<table>

<link rel="stylesheet" href="table.css"style="margin:50px 20px">

<tr>

<th>ID</th>

<th>ProductName</th>

<th>Price</th>

<th>SellerName</th>

<th>SellerNumber</th>

<th>Address</th>

<th>WishList</th>

<th>Review</th>

<?php

include 'Product.php';

$p = new Product();

$p->searchproduct();

?>

</table>

</div>

</body>

</html>

* **Update Details**

<?php

include ('user.php');

$u = new user();

if(isset($\_POST['update'])){

$u->user\_updateDetails();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<title>UPDATE DETAILS</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> UPDATE DETAILS Page</h2>

<p>UPDATE YOUR INFORMATION FROM HERE</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

<div class="login-form">

<form method ="post">

<div class="form-group">

<label>User Name</label>

<input type="text" name="username" class="form-control" placeholder="User Name">

</div>

<div class="form-group">

<label>E-mail</label>

<input type="text" name="email" class="form-control" placeholder="email">

</div>

<div class="form-group">

<label>Password</label>

<input type="password" name="password" class="form-control" placeholder="Password">

</div>

<div class="form-group">

</div>

<button type="submit" name="update" class="btn btn-secondary">

UPDATE

</button>

</form>

</div>

</div>

</div>

</body>

</html>

* **Upload files**

<?php

include ('admin.php');

$a = admin::getInstance();

if(isset($\_POST['imagee'])){

$a->uploadfiles();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<link rel="stylesheet" href="style.css">

<title>upload</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Upload Files<br>Welcome Admin.</h2>

<p>YOU CAN UPLOAD FILES FROM HERE .</p>

</div>

</div>

<div class="main">

<div class="user-action">

<form action="" method="POST" enctype="multipart/form-data">

<input type="file" name="image" />

<input type="submit"/ name="imagee">

</form>

</div>

</div>

</body>

</html>

* **Register**

<?php

include ('user.php');

$u = new user();

if(isset($\_POST['register'])){

$u->user\_register();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<title>Register</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> Register Page</h2>

<p>Register from here to access.</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

<div class="login-form">

<form method ="post">

<div class="form-group">

<label>User Name</label>

<input type="text" name="username" class="form-control" placeholder="User Name" minlength="3" maxlength="30">

</div>

<div class="form-group">

<label>E-mail</label>

<input type="text" name="email" class="form-control" placeholder="email">

</div>

<div class="form-group">

<label>Password</label>

<input type="password" name="password1" class="form-control" placeholder="Password" minlength="8" maxlength="21">

</div>

<div class="form-group">

<label>Confirm Password</label>

<input type="password" name="password2" class="form-control" placeholder="Confirm Password" minlength="8" maxlength="21">

</div>

<div class="form-group">

</div>

<button type="submit" class="btn btn-black">

<a href="login.php" class="anchor-button">Login</a>

</button>

<button type="submit" name="register" class="btn btn-secondary">

Register

</button>

</form>

</div>

</div>

</div>

</body>

</html>

* **Add Review/Rate**

<?php

//session\_start();

include ('ReviewRate.php');

if(isset($\_POST['DONE'])){

$r= new ReviewRate();

$r->addrate();

$r1= new ReviewRate();

$r1->CalAvgRate();}

?>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<link rel="stylesheet" href="home.css">

<title>Review And Rate</title>

</head>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h3>Application<br> RATE AND REVIEW PAGE</h3>

<p>ALL USERS RATE AND REVIEW ABOUT PRODUCTS</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

</div>

<table>

<link rel="stylesheet" href="table.css">

<tr>

<div class="main">

<div class="col-md-6 col-sm-12">

<div class="login-form">

<form method="post" >

<div class="form-group" >

<label>Product\_ID</label>

<input type="text" name="Product\_ID" class="form-control" placeholder="Product\_ID">

</div>

<div class="form-group" >

<label>Review</label>

<textarea name="message" rows="5" cols="35" class="form-control" placeholder="Add Review" minlength="3" maxlength="150" ></textarea>

</div>

<div class="form-group"></div>

<div class="form-group">

<label for="rate">Product\_Rate:</label><br/>

<select name="rate">

<option value="1">1</option>

<option value="1.5">1.5</option>

<option value="2">2</option>

<option value="2.5">2.5</option>

<option value="3">3</option>

<option value="3.5">3.5</option>

<option value="4">4</option>

<option value="4.5">4.5</option>

<option value="5">5</option>

</select>

</select>

</div>

</div>

<div class="form-group">

</div>

<button type="submit" name="DONE" class="btn btn-black">

DONE

</button>

</form>

</div>

</div>

</div>

</tr>

</table>

</div>

</body>

</html>

* **Women Category**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<title>Login</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> WOMEN CATEGORY</h2>

</div>

</div>

<br>

<div class="main">

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>ID</th>

<th>Name</th>

<th>Price</th>

<th> AverageRate</th>

<th>Seller</th>

<th>Phone</th>

<th>Address</th>

<th>WishList</th>

<th> Review/Rate</th>

<?php

include 'category.php';

$p = new category();

$p->viewwomen();

?>

</table>

</div>

</body>

</html>

* **Men Category**

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<title>Login</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> MEN CATEGORY</h2>

</div>

</div>

<br>

<div class="main">

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>ID</th>

<th>Name</th>

<th>Price</th>

<th> AverageRate</th>

<th>Seller</th>

<th>Phone</th>

<th>Address</th>

<th>WishList</th>

<th> Review/Rate</th>

<?php

include 'category.php';

$p = new category();

$p->viewmen();

?>

</table>

</div>

</body>

</html>

* **Kids Category**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<title>Login</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> KIDS CATEGORY</h2>

</div>

</div>

<br>

<div class="main">

<table>

<link rel="stylesheet" href="table.css">

<tr>

<th>ID</th>

<th>Name</th>

<th>Price</th>

<th> AverageRate</th>

<th>Seller</th>

<th>Phone</th>

<th>Address</th>

<th>WishList</th>

<th> Review/Rate</th>

<?php

include 'category.php';

$p = new category();

$p->viewkids();

?>

</table>

</div>

</body>

</html>

* **Login**

<?php

session\_start();

include ('person.php');

$p = new Person();

if(isset($\_POST['login'])){

$p->login();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="style.css">

<title>Login</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Application<br> Login Page</h2>

<p>Login from here to access.</p>

</div>

</div>

<div class="main">

<div class="col-md-6 col-sm-12">

<div class="login-form">

<form method="post" >

<div class="form-group" >

<label>E-mail</label>

<input type="text" name="email" class="form-control" placeholder="email" required="" minlength="7" maxlength="19" >

</div>

<div class="form-group">

<label>Password</label>

<input type="password" name="password" class="form-control" placeholder="Password" required="" minlength="8" maxlength="21">

</div>

<div class="form-group">

</div>

<button type="submit" name="login" class="btn btn-black">

Login

</button>

<button type="submit" class="btn btn-secondary">

<a href="register.php" class="anchor-button">Register</a>

</button>

</form>

</div>

</div>

</div>

</body>

</html>

* **Generate Files**

<?php

include ('admin.php');

$a = admin::getInstance();

if(isset($\_POST['generate'])){

$a->generatefiles();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" rel="stylesheet"

id="bootstrap-css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>""

<link rel="stylesheet" href="style.css">

<title>Generate Files</title>

</head>

<body>

<div class="sidenav">

<div class="login-main-text">

<h2>Generate Files<br> Welcome Admin</h2>

<p>YOU CAN GENERATE FILES FROM HERE .</p>

</div>

</div>

<div class="main">

<div class="user-action">

<form method ="post">

<div class="form-group"style="margin : 20Px 20px">

<label>DATA</label>

<textarea name="generatee" rows="5" cols="35" class="form-control" placeholder="Add DATA"></textarea>

</div>

<button type="submit" name="generate" class="btn btn-secondary"style="margin:5px 20px;

;">

Submit

</button>

</div>

</form>

</div>

</div>

</body>

</html>

**2.User Role Management Module.**

* **Login**

function login(){

$UsertypeID;

$this->setemail ($\_POST['email']);

$this->setpassword1 ($\_POST['password']);

$conn = mysqli\_connect("localhost", "root", "", "sw1");

$query = "SELECT Email, Password,UsertypeID from user where Email=? AND Password=?";

$stmt = $conn->prepare($query);

$stmt->bind\_param("ss", $this->email, $this->password1);

$stmt->execute();

$stmt->bind\_result($this->email, $this->password1,$UsertypeID);

$stmt->store\_result();

if($user['Email'] != $this->email || $user['Password']!=$this->password1 ){

array\_push($errors, "");

$a=new popup();

$a->invalid();

}

if($stmt->fetch())

header("location:UserPanel.php");

if($UsertypeID==1)

header("location:AdminPanel.php ");

mysqli\_close($conn);

}

**3.User manipulation Module**

* **Update Details**

function updateDetails(){

//conect database

$errors = array();

$db = mysqli\_connect('localhost' , 'root' ,'' , 'sw1') or die("could not connect to database");

$this->setusername ($\_POST['username']);

$this->setemail ($\_POST['email']);

$this->setpassword1 ($\_POST['password']);

//update

$query = "UPDATE user SET Username='$this->username' , Password = '$this->password1' WHERE Email='$this->email' " ;

$query\_run = mysqli\_query($db,$query);

//check id data update or not

if($query\_run){

array\_push($errors, "");

$a=new popup();

$a->dataUpdated();

}

mysqli\_close($db);

}

**4.Controlling Resources Module**

* **Add Products**

Function AddProduct(){

$errors = array();

$host = "localhost";

$dbusername = "root";

$dbpassword = "";

$dbname="sw1";

$this->SetProductID($\_POST['ProductId']);

$this->SetProductName($\_POST['ProductName']);

$this->SetProductPrice($\_POST['ProductPrice']);

$this->SetCategoryID($\_POST['CategoryId']);

$this->SetSellerName ($\_POST['SellerName']);

$this->SetSellerNumber ($\_POST['SellerNumber']);

$this->SetSellerAddress ($\_POST['SellerAddress']);

$conn = new mysqli($host,$dbusername,$dbpassword,$dbname);

$user\_check\_query = "SELECT \* FROM products WHERE ProductID='$this->ProductID' or ProductName='$this->ProductName' LIMIT 1";

$results = mysqli\_query($conn , $user\_check\_query);

$products = mysqli\_fetch\_assoc($results);

//check if product is exist

if($products){

if($products['ProductID'] == $this->ProductID ){

array\_push($errors, "");

$a=new popup();

$a->idProductExist();

}

}

if(count($errors) == 0){

$Add = "INSERT into products(ProductID,ProductName,ProductPrice,CategoryID,Seller\_Name,Seller\_Number,Address)values( '$this->ProductID','$this->ProductName','$this->ProductPrice','$this->CategoryID','$this->Seller\_Name','$this->Seller\_Number','$this->Seller\_Address')";

mysqli\_query($conn,$Add);

array\_push($errors, "");

$a=new popup();

$a->productAdded();

}

$conn->close();

}

* **View Feedback**

function viewfeedback (){

$dbServername="localhost";

$dbUsername ="root";

$dbPassword ="";

$dbName="sw1";

$conn = new mysqli($dbServername,$dbUsername,$dbPassword,$dbName);

$sql ="SELECT \* FROM system\_feedback";

$result = $conn ->query ($sql);

if ($result ->num\_rows>0){

while ($row =$result ->fetch\_assoc())

{

echo "<tr><td>" . $row["id"]."</td><td>".$row["SystemFeedback"]."</td></tr>";

echo "<br>";

}

echo "</table>";

} else{

echo "0 result";

}

$conn -> close();

}

**5.Reservation and Rescheduling Module.**

* **Register**

function register(){

$errors = array();

//conect database

$db = mysqli\_connect('localhost' , 'root' ,'' , 'sw1') or die("could not connect to database");

//register users

$this->setusername($\_POST['username']);

$this->setemail ($\_POST['email']);

$this->setpassword1 ($\_POST['password1']);

$this->setpassword2 ($\_POST['password2']);

//form validation

if($this->password1 != $this->password2) {

array\_push($errors, "");

$a=new popup();

$a->password();

}

//check if user is existing

$user\_check\_query = "SELECT \* FROM user WHERE Username = '$this->username' or Email = '$this->email' LIMIT 1";

$results = mysqli\_query($db , $user\_check\_query);

$user = mysqli\_fetch\_assoc($results);

if($user){

if($user['Email'] == $this->email ){

array\_push($errors, "");

$a=new popup();

$a->mailExist();

}

}

if(count($errors) == 0){

$this->id++;

$query = "INSERT INTO user( Username , Password , Email , UserTypeID) VALUES ( '$this->username' , '$this->password1' , '$this->email' , 2)";

mysqli\_query($db,$query);

$\_SESSION['Username'] = $this->username;

$\_SESSION['success'] = "You are logged in";

header('location: login.php');

}

}

* **Add favorite**

function add\_favorite(){

$errors = array();

$Product\_ID = $\_POST['Product\_ID'];

$Product\_Name = $\_POST['Product\_Name'];

$Product\_Type = $\_POST['Product\_Type'];

$conn = mysqli\_connect("localhost", "root", "", "sw1");

$user\_check\_query = "SELECT \* FROM favorite WHERE Product\_ID='$Product\_ID'LIMIT 1";

$results = mysqli\_query($conn ,$user\_check\_query);

$favorite = mysqli\_fetch\_assoc($results);

if($favorite){

if($favorite['Product\_ID'] ==$Product\_ID){

array\_push($errors, "");

$a=new popup();

$a->idProductExist();

}

}

else{

$Add = "insert into favorite(Product\_ID, Product\_Name,Product\_Type) values ('$Product\_ID', '$Product\_Name','$Product\_Type') ";

mysqli\_query($conn,$Add);

$a=new popup();

$a->productAdded();

}

mysqli\_close($conn);

}

**6.Generating Reports Module**

* **Generate Reports**

function generatefiles(){

$data=$\_POST["generatee"];

require('fpdf/fpdf.php');

$pdf = new FPDF();

$pdf->AddPage();

$pdf->SetFont('Arial','B',16);

$pdf->Cell(40,10,"$data");

$pdf->Output();

}

}

**7.Sending Emails or Notifications Module**

* **Sending Notification**

function fetchAll($query){

$con = new PDO(DBINFO, DBUSER, DBPASS);

$stmt = $con->query($query);

return $stmt->fetchAll();

}

function performQuery($query){

$con = new PDO(DBINFO, DBUSER, DBPASS);

$stmt = $con->prepare($query);

if($stmt->execute()){

return true;

}else{

return false;

}

}

**<<<<<<<<<<<<<<<<FrontEnd part>>>>>>>>>>>>>>>>.**

include("alerts.php");

$id = $\_GET['id'];

$query ="UPDATE `system\_feedback` SET `status` = 'read' WHERE `id` = $id;";

performQuery($query);

$query = "SELECT \* from `system\_feedback` where `id` = '$id';";

if(count(fetchAll($query))>0){

foreach(fetchAll($query) as $i){

if($i['status']=='unread'){

echo "Someone Added New Feedback.<br/>".$i['date'];

}

}

}

**8.File Uploaders.**

* **Upload Files**

function uploadfiles(){

if(isset($\_FILES['image'])){

//$errors= array();

$file\_name = $\_FILES['image']['name'];

$file\_size =$\_FILES['image']['size'];

$file\_tmp =$\_FILES['image']['tmp\_name'];

$file\_type=$\_FILES['image']['type'];

$file\_ext=strtolower(end(explode('.',$\_FILES['image']['name'])));

$extensions= array("jpeg","jpg","png");

if(in\_array($file\_ext,$extensions)=== false){

$a=new popup();

$a->invalidextension();

}

if(empty($errors)==true){

move\_uploaded\_file($file\_tmp,"images/".$file\_name);

$a=new popup();

$a->productAdded();

}

}

}

**9.Design some User Interfaces**

* **user interface (interaction design)**

It is the action between human and computer

It allows effective operation and control the machine by human (user), and it happened by hand tool, operating system, process, and heavy machinery

* **Principle of quality for the better experience:**

1. Clarity: everything must be clear (flow, visual elements, language)

2. Concision:

* we do this by labeling and clarifying everything in our interface
* we make this without making our interface tedious and make it clear and concise

3. Responsiveness: UI has to provide a good feedback

4. Familiarity: we make this by using a communicate meaning

5. Efficiency: our UI do what user need

6. Aesthetics: we need to make an attractive interface for making users use it with enjoyable feeling

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**10.Team Role**

|  |  |
| --- | --- |
| **Name** | **Role** |
| **Nahla Fathy** | 1.Activity diagram  2.Deployment Diagram  3.Archeticture diagram  4.class diagram  5.SRS (from 1 to 4)  6.Documenting sectionA  7.Database specification  8.Design pattern  9.Use case description  10. part 2 structing criteria  11. Customer Dashboard frontend  12.Implementing (login, add favorite, compare, calculate average rate, upload files, generate files) with their frontend  13.popup and Database classes |
| **Noura Yasser** | 1.Activity Diagram  2.SRS (from 5 to 9)  3.Documenting sectionB  4.Package diagram  5.part 4 no (20) (from 1 to 10)  6.customer Dashboard front end  7.class diagram  8.Usecase description  9.implemeting (view product, view user, view rate/review) with their front end |
| **Ali gad** | 1.Activity diagram  2.sequence diagram  3.system sequence diagram  4. class diagram  5.usecase diagram  6.white box testing  7.implementing (edit, delete, add, search products) with their front end |
| **Mohrail Alfy** | 1.state machine diagram  2.class diagram  3.usecase diagram  4.package diagram grouping relevant use cases  5.Database specification  6.Admin dashboard frontend  7.implementing (register, update details) with their front end and popup class  8.question (17) part 4 |
| **Martina Mosaad** | 1.Archeticture diagram  2.Archeticture Pattern  3. questions (15,16) part4  4.implementing (add, delete feedback) with their front end  5.Design Pattern  6.Writting about interaction design principle |
| **Heba Abdelaziz** | 1.communication diagram  2.class diagram  3.Data base specification  4.Design Pattern  5.Anaylsis pattern  6.questions (n, o) part 2  7.black box testing  8.implementing (add rate/review) with their front end + notification and popup classes |
| **Menna Abdelmajeed** | 1.Object diagram  2.class diagram  3.DataBase specification  4.11(c) list of user interfaces based on activity diagram  5.questions (I, m) part 2  6.part 4 question (20) from (11 to 20)  7.implementing (view feedback category class(viewmen,viewwomen,viewkids)) with their frontend  8.Admin dashboard frontend |