# PRODUCT RATING APPLICATION

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| --- | --- | --- |
| # | Student Name | ID |
| 1 | Amerah albenhar | 435201836 |
| 2 | Lamia alahmad | 435201815 |
| 3 | Abeer Alolayan | 435200199 |
| 4 | Leenah Alyahya | 435201881 |

**Instructor Name:**

Bushra Alkadhi

**Section number:**

50083

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## **Introduction:**

## The idea of the project is to have a mobile application for rating products. The goal is to make it easier for people to know the classification of products and people's opinions about them. The application allows users to rating, add comments on a specific product and to suggest new products to be added to the application.

## The application accepts all categories, so the users are from different age groups and educational backgrounds.

## **Product Backlog:**

Table 1: features

|  |  |  |
| --- | --- | --- |
| ID | Features | Priority |
| 1 | Register to the application | 1 |
| 2 | Log in to the application | 1 |
| 3 | Rate the products | 1 |
| 4 | Add a product to the products list | 1 |
| 5 | Use Android Studio | 1 |
| 6 | Learn on Android Studio | 1 |
| 7 | Add comments to specific product | 2 |
| 8 | Search for specific product | 2 |
| 9 | Suggest new products | 2 |
| 10 | Delete comments | 3 |
| 11 | Edit product's information | 3 |
| 12 | Sort the products in descending or ascending order | 4 |
| 13 | Filter products based on the brands or type | 4 |
| 14 | Logout from the application | 1 |

Our technology for prioritizing is the numbering feature of 1 which is the most important even the 4 least important.

## **User Stories:**

Table 2: user story

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Feature ID | Name | Description | Estimate | Priority |
| 1 | User's Registration | As a user of the Product Rating Application  I want to create an account  So that I can access the application. | 2 weeks | 1 |
| 1 | Administrator's Registration | As an administrator of Product Rating Application  I want to create an account  So that I can access the application. | 2 weeks | 1 |
| 2 | User's login | As a user of the Product Rating Application  I want to login to my account  so that I can rate product, add, delete comments, search for the product, suggest products, sort and filter product. | 2 weeks | 1 |
| 2 | Administrator’s login | As an administrator of the Product Rating Application  I want to log in to the application  So that I can add products to be rated, delete comments and edit information. | 2 weeks | 1 |
| 3 | Rate products | As a user of the Product Rating Application  I want to rate the quality of the products among 5 stars  So that other users have knowledge of different products. | 1 week | 1 |
| 4 | Add products | As an administrator of the Product Rating Application  I want to add new products  So that the products ready to be rate. | 1 week | 1 |
| 7 | Add comments | As a user of the Product Rating Application  I want to add new comments for specific product  So that I can share my opinion with other users. | 1 week | 2 |
| 8 | Search for product | As a user of the Product Rating Application  I want to search for a specific product  so that I can find what I want in short time. | 2 weeks | 2 |
| 9 | Suggest products | As a user of the Product Rating Application  I want to suggest products to be added to the application  So that I can rate it, view rates and comments. | 1 week | 2 |
| 10 | Delete Users comments | As an administrator of the Product Rating Application  I want to delete the user's comments on a specific product  So that the comments with no relation to the product will be deleted. | 1 week | 3 |
| 11 | Edit product's information | As an administrator of the Product Rating Application  I want to edit the image, name, description and the classification of the products  So that the products be up to date. | 1 week | 3 |
| 12 | Sort products | As a user of the Product Rating Application  I want to sort products based on the date from the oldest to newest and vice versa  So that the products will be organized. | 2 weeks | 4 |
| 13 | Filter products | As a user of the Product Rating Application  I want to filter products based on its brand or type  So that I can rate it, view rates and comments. | 2 weeks | 4 |
| 14 | User’s logout | As a user of the Product Rating Application I want to logout of the application  So that no one can access to my account | 1 week | 1 |
| 14 | Administrator's logout | As an administrator of the Product Rating Application I want to logout of the application  So that no one can access to my account. | 1 week | 1 |

## **Platform and Implementation Tools:**

Since our project is a mobile application so we decided to work with android platform, our choice is to work on Android Studio which is the

official integrated development environment (IDE) for the Android

platform.

Therefor we decided to use Firebase. Firebase provides a real-time

database and backend as a service, and permit us to make web

applications with no server-side programming.