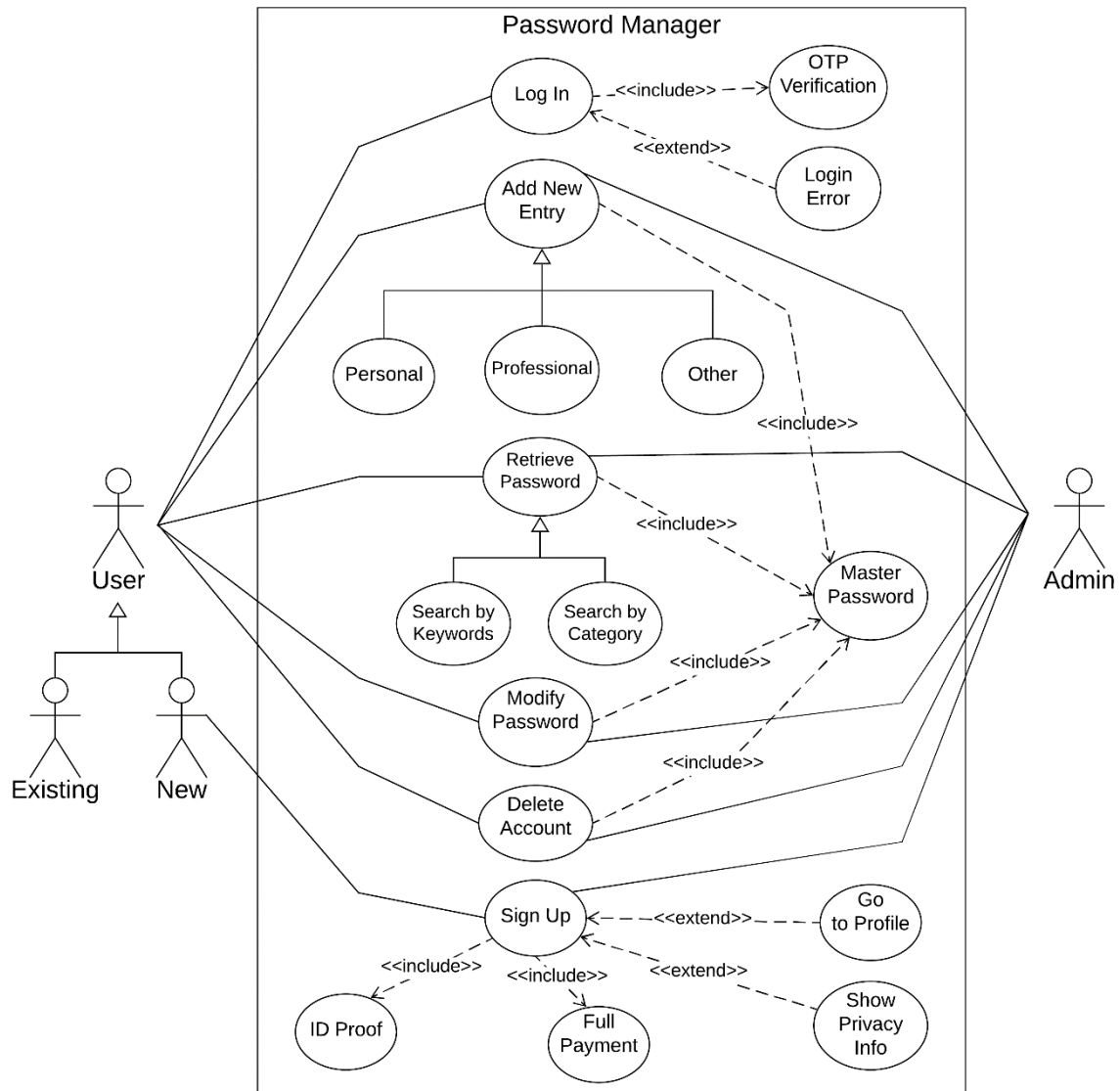


Practical – 4.1

Aim : To perform user's view analysis for the system: Prepare Use-Case diagram

Use-Case Diagram of Password Manager



The above Use-Case diagram concerning a password manager consists of two actors:

1. **User:** The actual end customers who use the software. This actor is a generalization of the following two actors:
 - a. **Existing User:** The registered users who are already using the app.
 - b. **New User:** Those users that have yet to register and create an account.
2. **Admin:** The one who handles the backend side of the website and aids the user in using the features provided by the application.

User actor:

- User actor is the one who makes use of the app's features. New users are connected to the app by sign up (registration).
- For Existing users, Login is essential to get access to his account.
- As shown in the diagram, a user can log into his account by OTP verification which possess an include relationship with the Log in feature.
- Occasionally, the user gets a login error if the OTP mismatches.
- After successful login, a user can add a new entry in terms of a portal or website by choosing the category he seems appropriate.
- User can also retrieve password by searching with the help of keywords or by browsing or navigating through the categories.
- If the user wishes to discontinue his use of the software, he can do so by accessing the Delete Account feature and providing 2-step verification to terminate his membership. This will result in elimination of all of his data from the app's database.
- It is noteworthy that the above three features require the input of the user's unique master password for their successful completion.
- The feature specially for New users is the sign up / register module which offers help for setting up the profile or for knowing in detail, the privacy information of the app.
- The new registration step, however, requires the user to provide his valid identity proof and full payment for using the app's services.

Admin actor:

- The main job of Admin is to regulate and manage the user's requests.
- Admin is connected to the database and controls the functions of adding a new user, adding a new entry, associating a category with an entry, providing the user his queried password after successful verification and wipe out the user's data in case the user desires to do so.
- All of this behind the scene functionality is handled by Admin.