

Cairo University
Faculty of Computers and Information



CS251

Software Engineering I

YallaCheck

Software Design

NYN

November 2015



CS251: Phase 2 - NYN

Project: YallaCheck

Software Design Specification

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Team

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Document Purpose and Audience

- This document is a software design specification that serve as training material for new project members, providing them enough information and understanding about the project implementation and able them to understand what is being said in the meetings.
- Both high-level requirements and implementation details are documented here to ensure successful completion of the project and continuity for future project development
- Project managers and software developers.



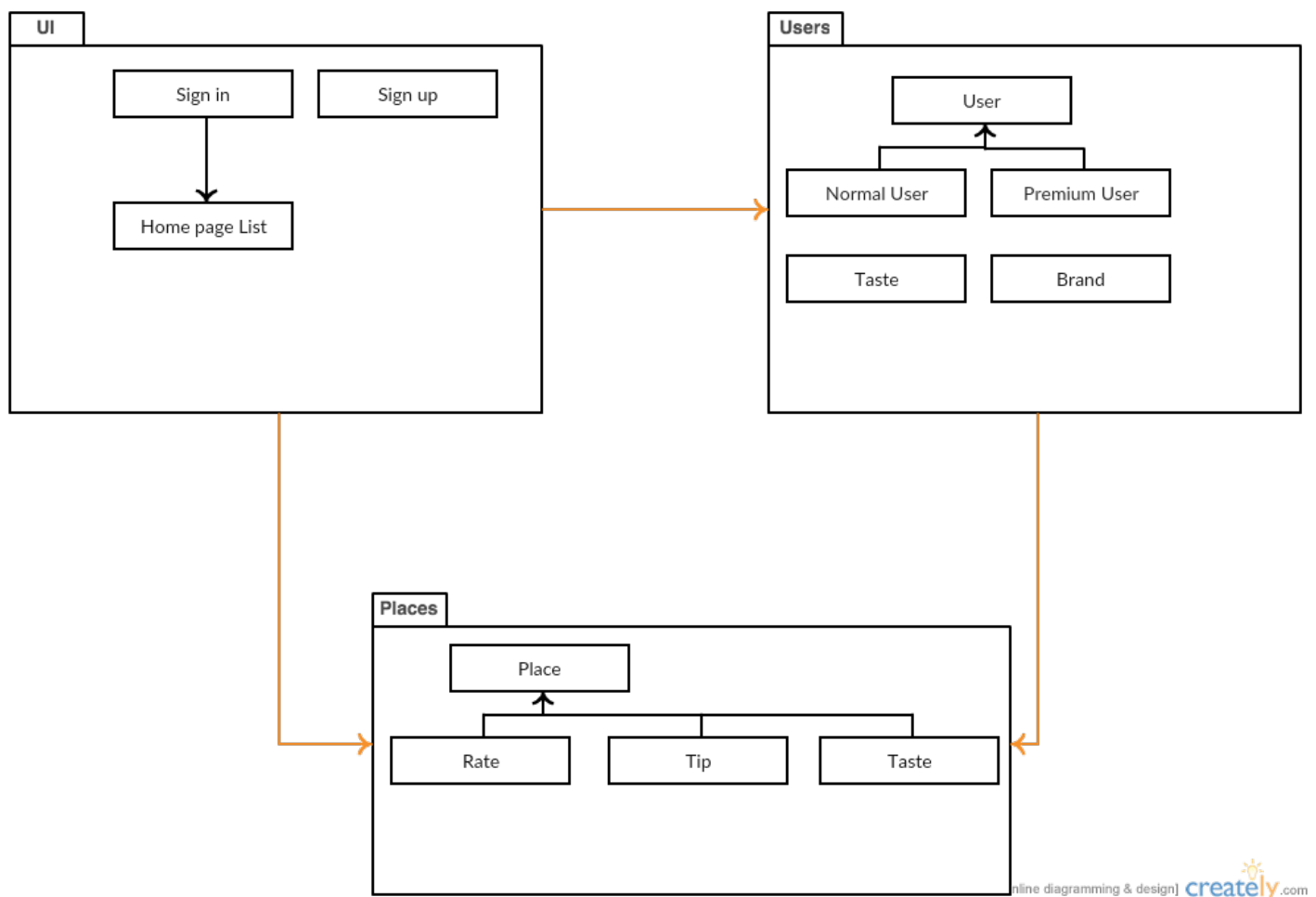
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System Models

I. System Decomposition



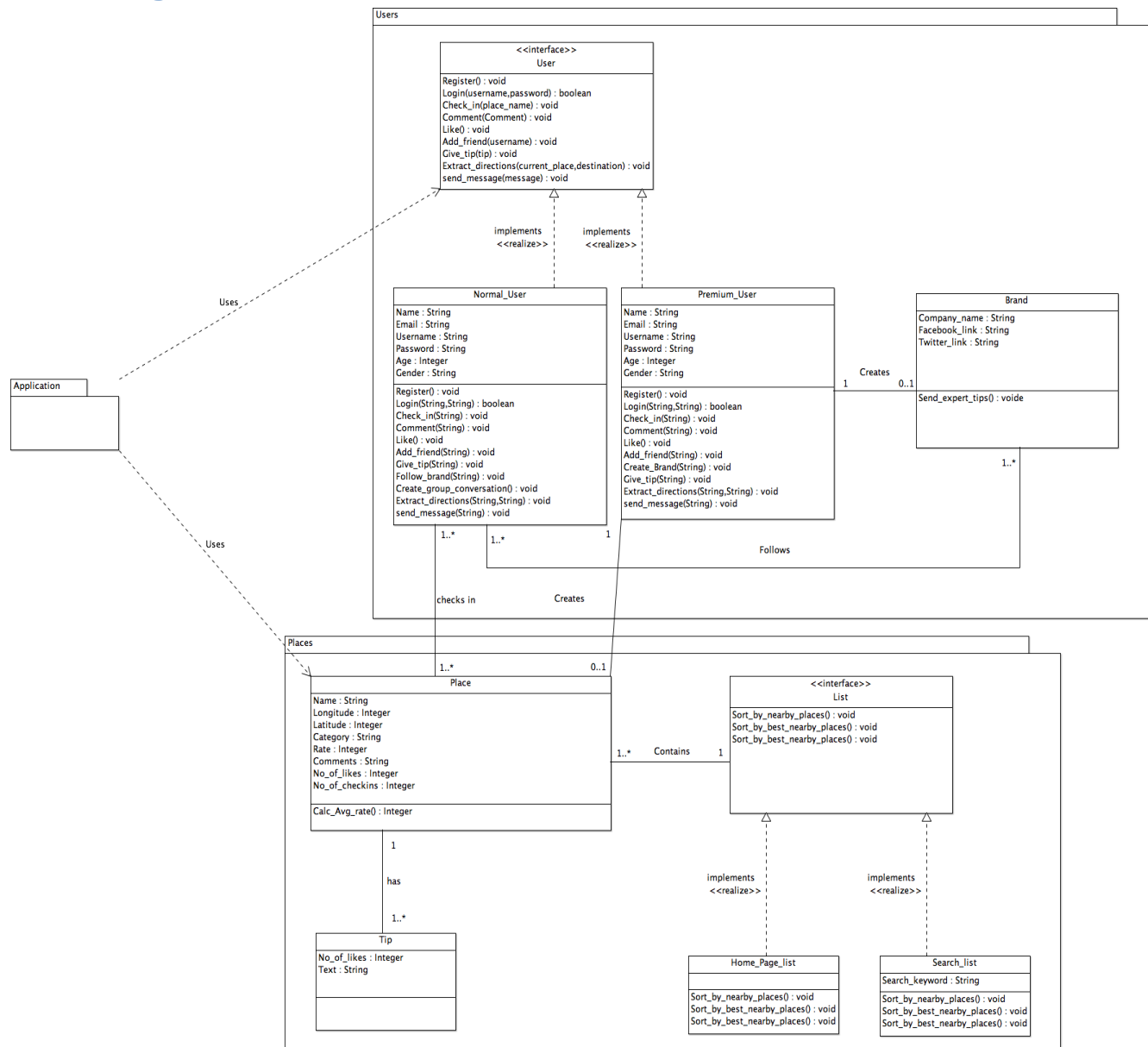


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II. Class diagrams





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Class ID	Class Name	Subsystem ID	Description & Responsibility
1	Normal User	Users	This class describes the kind of user that will use this application and it's responsible for having all the data of this user and all the functionalities that the user can do with this application.
2	Premium User	Users	This class describes a special kind of user that will use this application and it's responsible for having all the data of this user and all the special functionalities that the user can do with this application.
3	Place	Places	This class describes the places that any user can check in at or for a premium user to create and it's responsible for having the places' characteristics.
4	Brand	Users	This class describes business uses as a premium user (company) can create a brand for other users to follow and it's responsible for sending the users who follow this brand expert tips about it.
5	Tip	Places	This class describes a text recommendation from users to a place and it's responsible to sort these tips for each place based on the number of likes each tip has.
6	Home_Page_List	UI	This class describes the home page for the user when he/she first logs in and it's responsible for sorting places for the user based on the nearby places and the best nearby places.
7	Search_List	Places	This class describes the search option of the application as when the user inputs a name of a place, it's responsible for returning for the user with a list of places sorted based on the nearby places and the best nearby places.



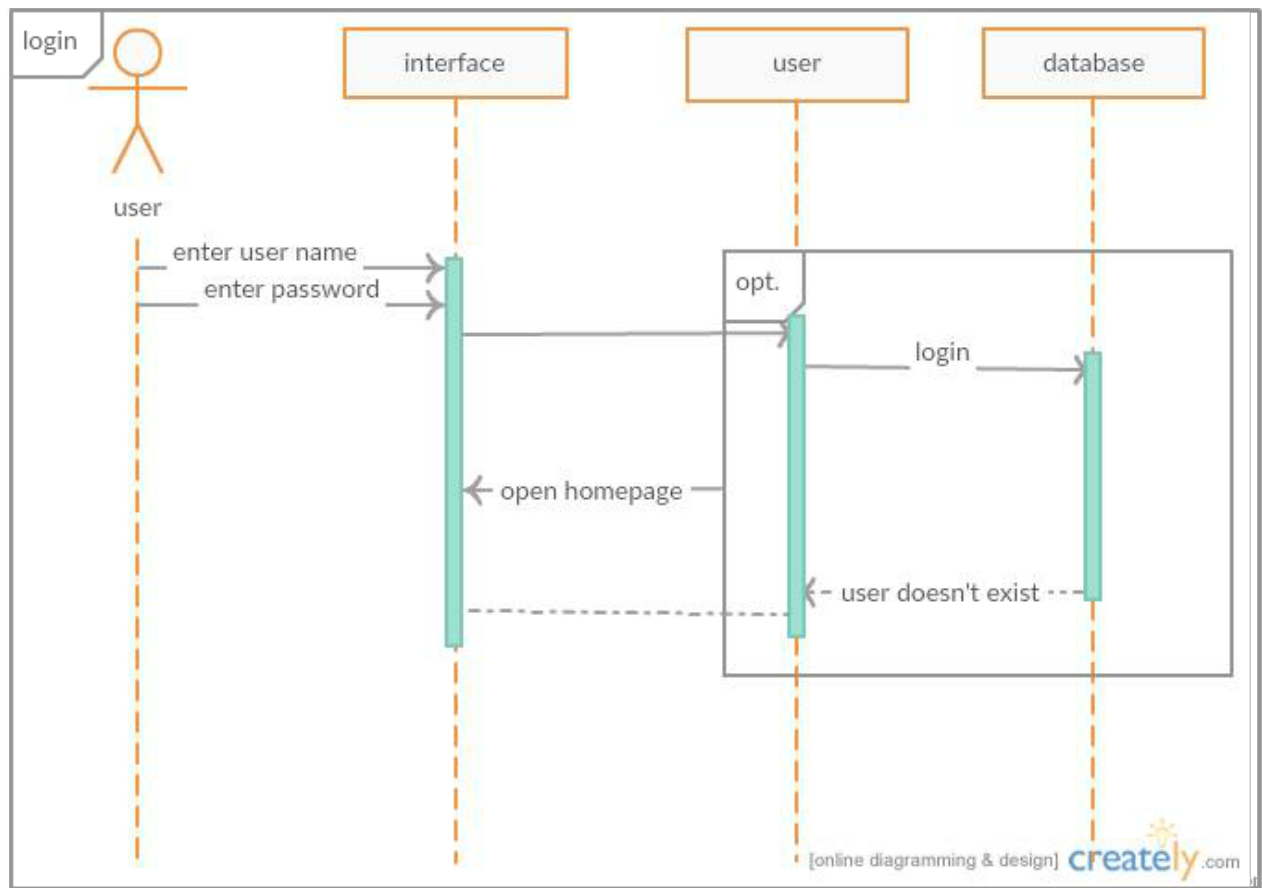
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III. Sequence diagrams

1.Login



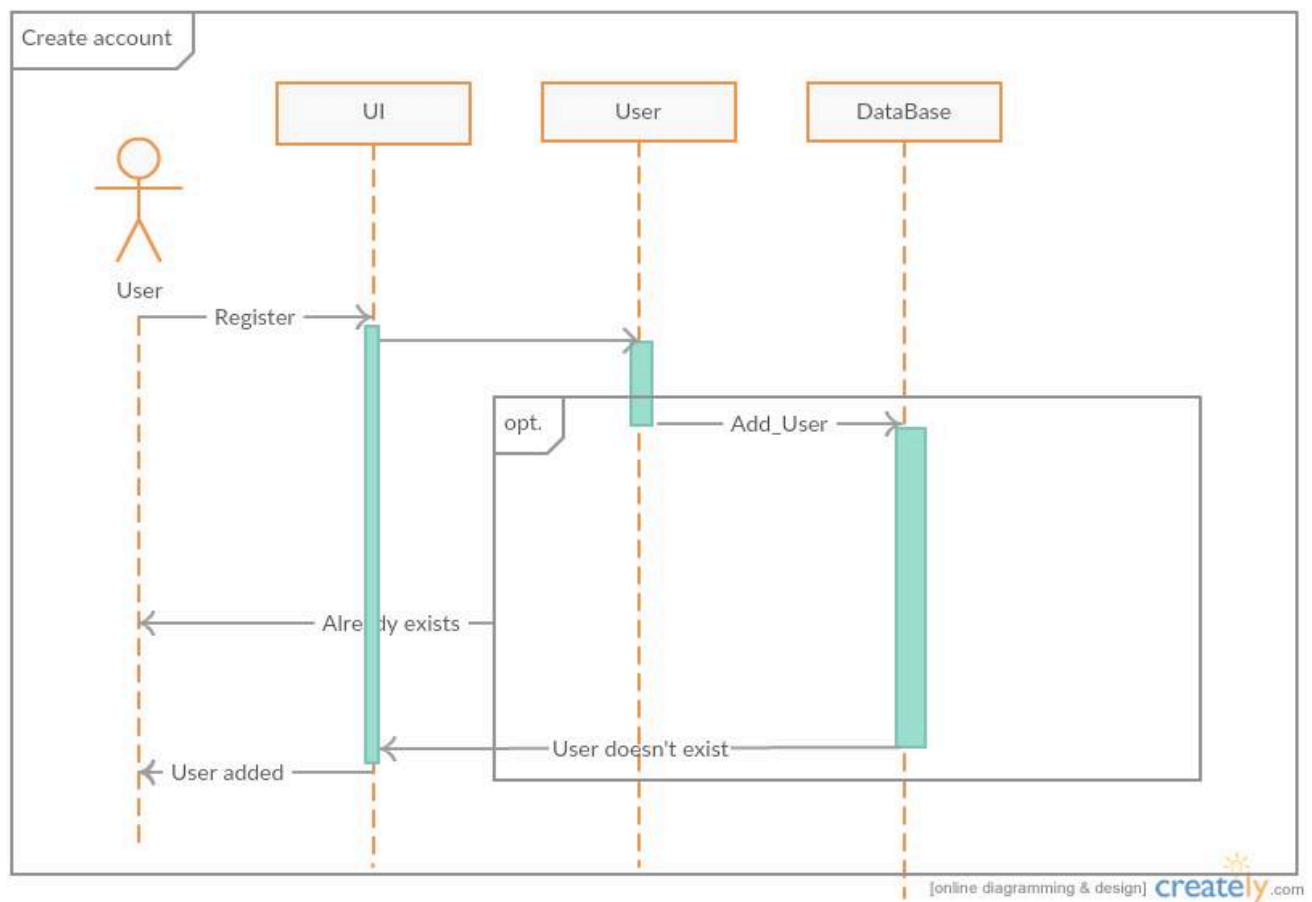


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2.Create Account



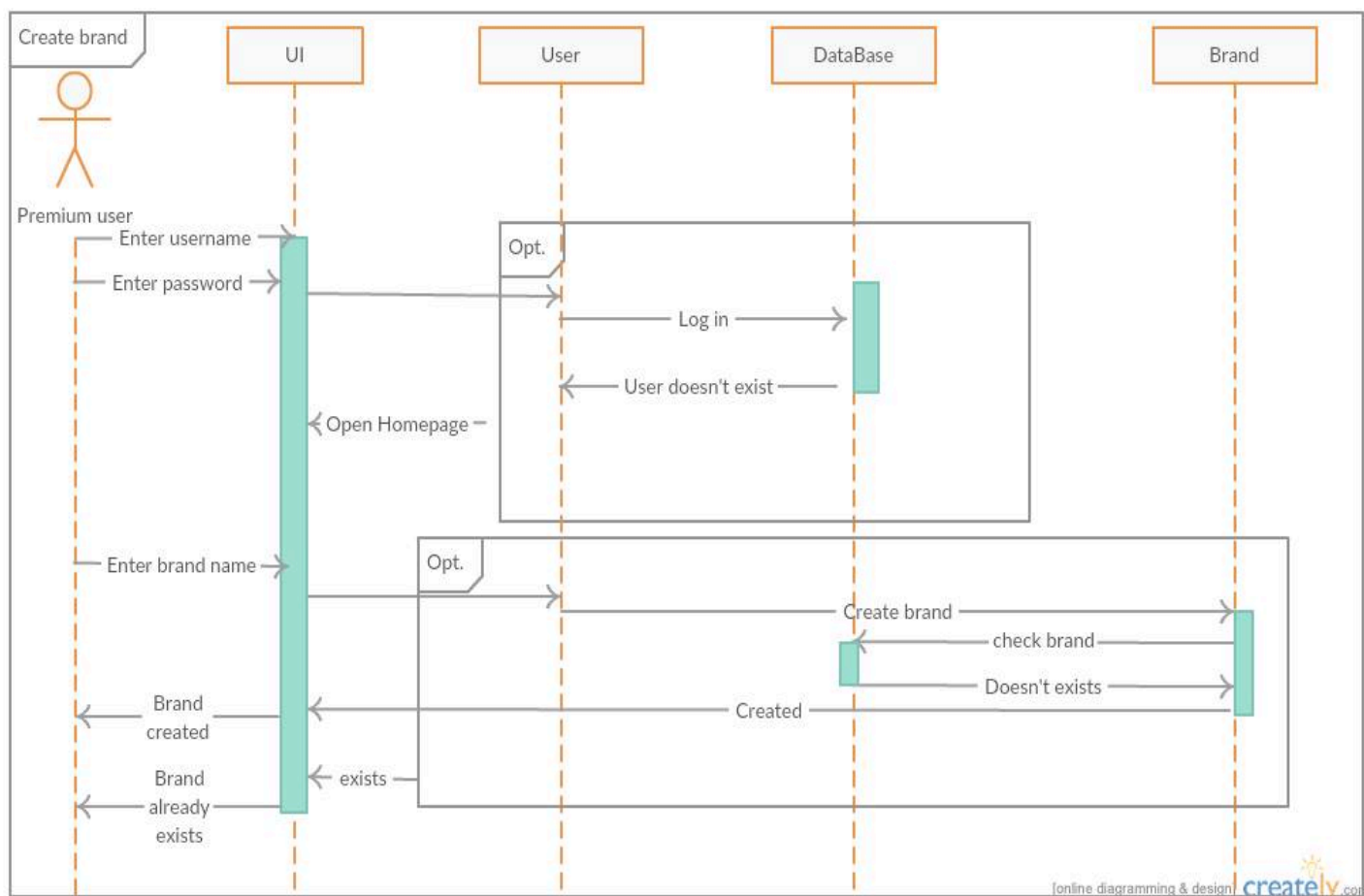


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3.Create brand



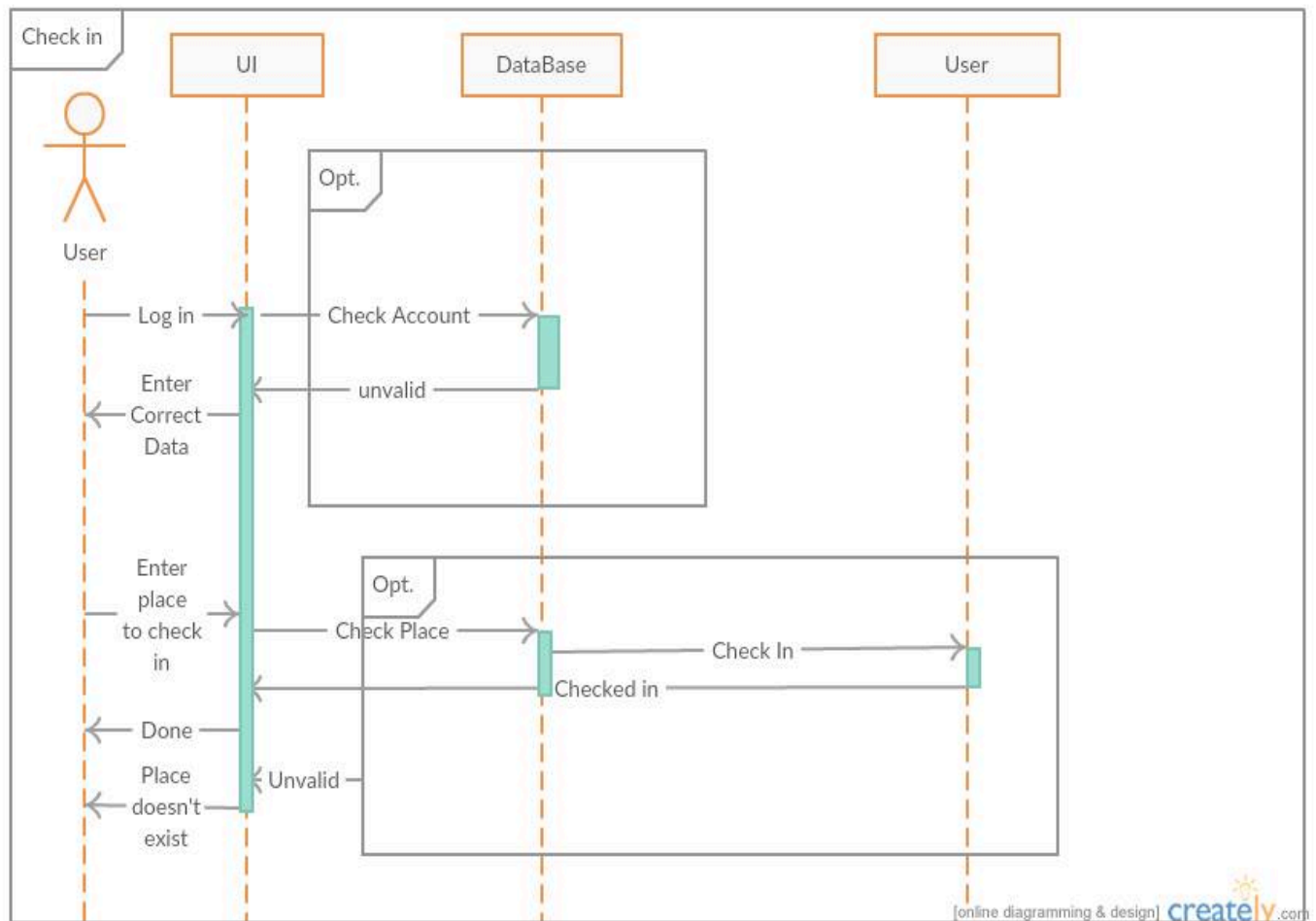


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4.Check in



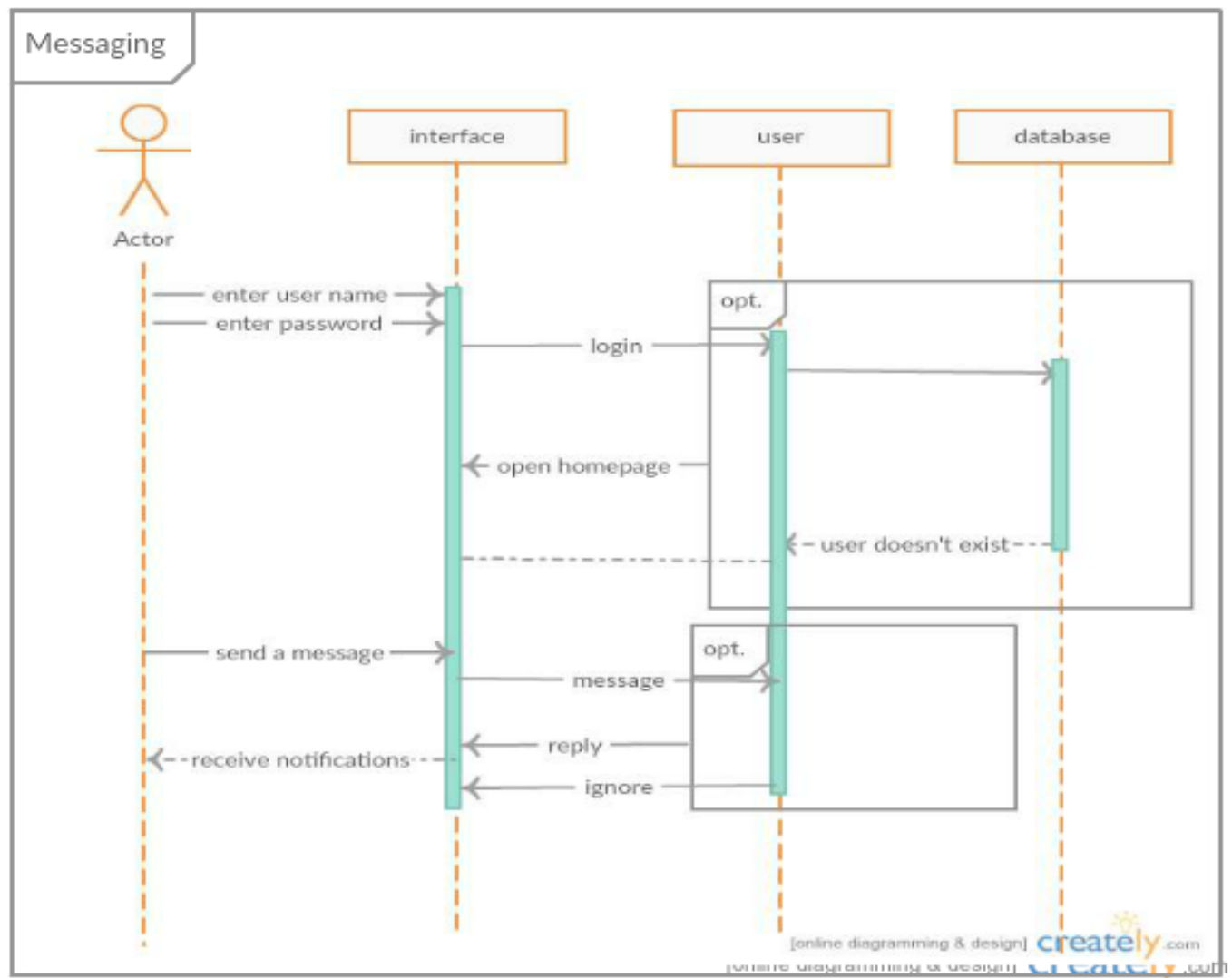


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5.Messaging



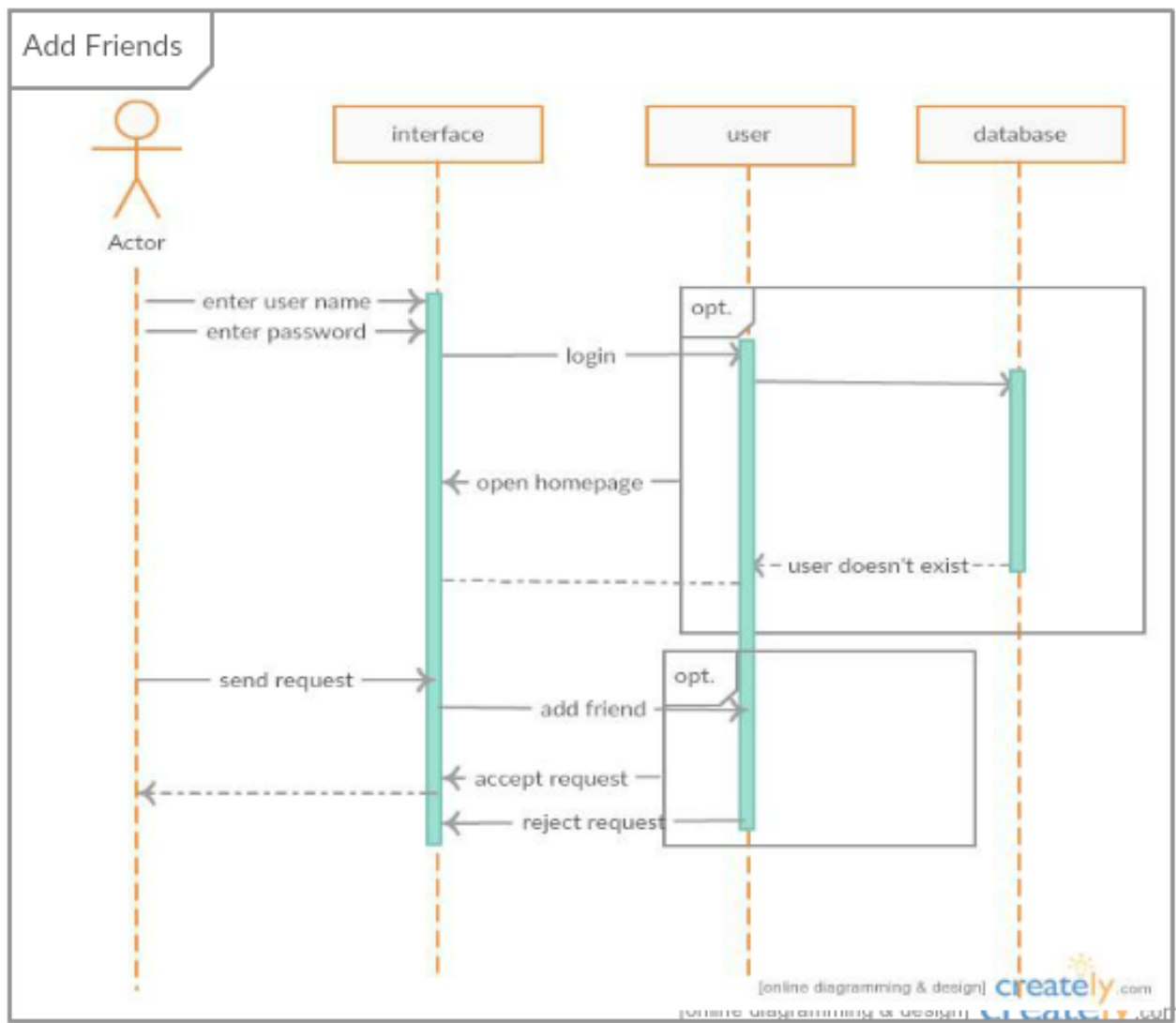


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6.Add Friends





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Class - Sequence Usage Table

Class Name	Sequence Diagrams	Overall used methods
Normal user	1, 2, 4, 5, 6	Login, check_in, create_account, add_friend, send_message
Premium user	3	create_brand, login



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V. User Interface Design

- **Screen 1 – Login Screen**

User name

password

Sign in

[forgot username or password ?](#)

[sign up](#)



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- Screen 2 – Sign up

user name:

email address:

Age:

Gender:

password:

repeat password:

Sign up

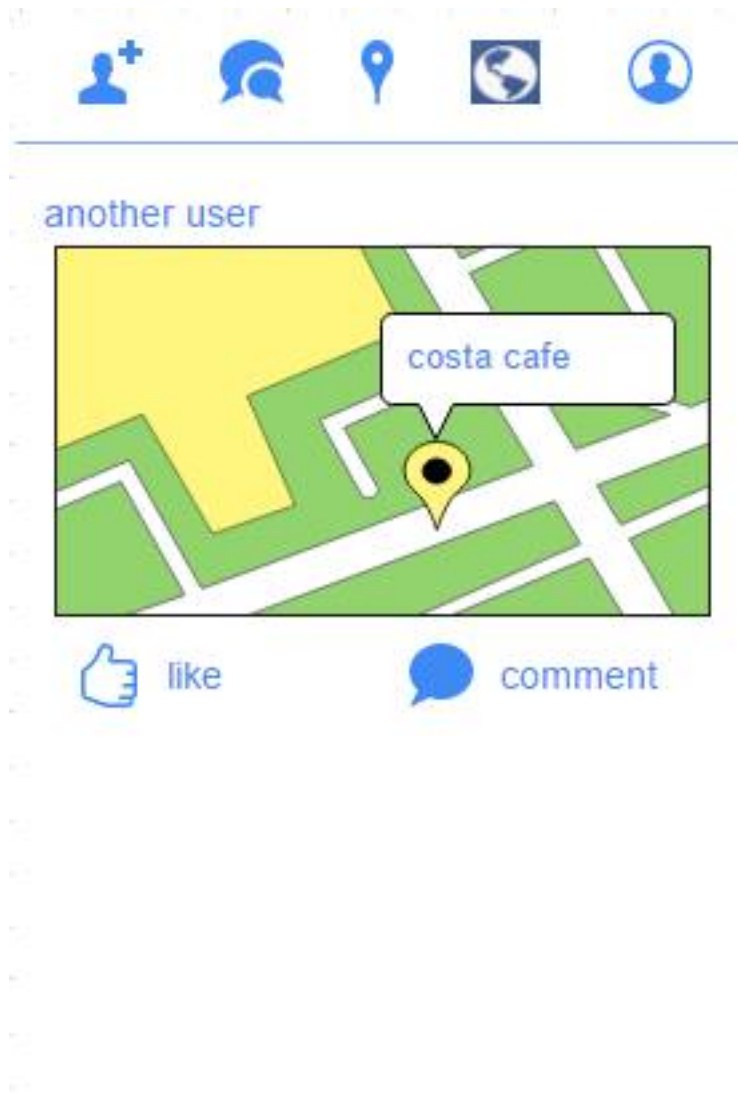


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- **Screen 3-Home page**



- **Navigation tree:**

Login Screen

↓

Home Page scree