**Team Dynamic**

**Product Name**

Restaurant reviews

**Problem Statement**

With so many restaurants around it becomes difficult to choose which restaurant to go for and rate your past experiences. The app also provides a feature to make a reservation online.

**Objective**

Create an application where users can search for a restaurant and can add their reviews. The application will also allow them to conveniently book tables online and restaurant owners to list their business.

**Functional Requirements**

1. The app must allow user to create an account.

2. The app must allow users to successfully login using the correct credentials.

3. The app must allow users to successfully logout.

4. The app must allow users to search restaurants according to the need.

5. The app should allow users to Add review.

6. The app should allow users to Delete/edit their review(s).

7. The app must allow Admin to list their business.

8. The app must allow a user to cancel a booking.

**Non Functional Requirements**

1. The app shall display 5 reviews per list.

2. The app must application must work on all browsers.

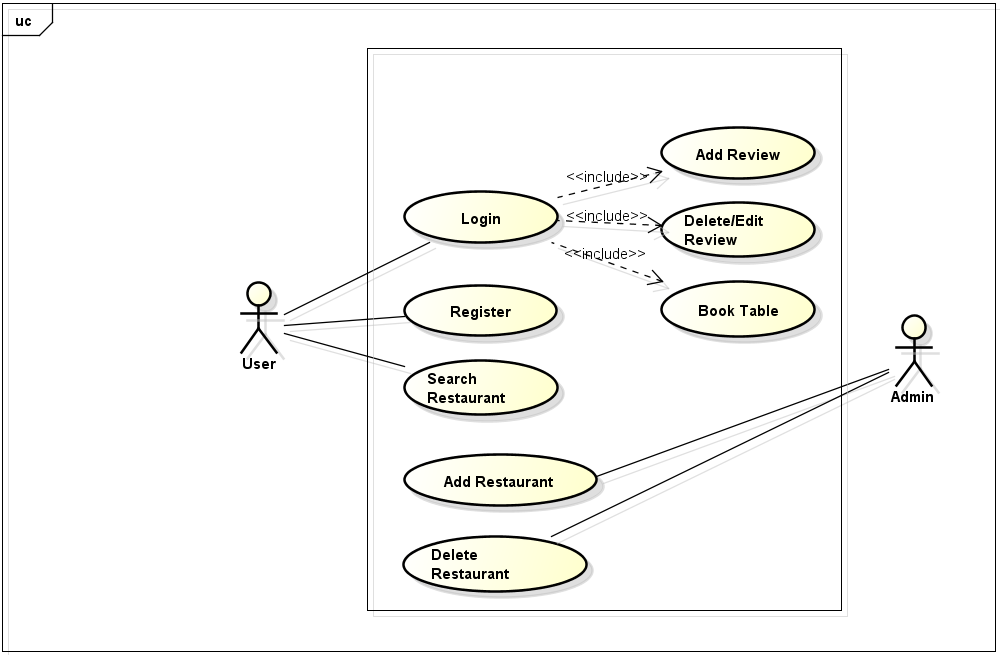
3. The app should manage the user sessions and logout the inactive users after 30 minutes.

4. The app must send an email confirmation of reservation.

5. The GUI should be responsive and intuitive.

6. The app must send a password change request after every 60 days.

**Use Case Diagram**

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**Use Case Description**

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| **Use Case name:** | **Register** |
| **Product name:** | **Restaurant reviews and reservation** |
| **Team:** | **Dynamic** |
| **Date:** | **02/05/2018** |

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| **1. Goal** |
| **User can add/view reviews and make a reservation.** |

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| **2. Summary** |
| **A user who has logged in can add a review or make a reservation. If a user is not logged in, he can only search for restaurants.** |

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| **3. Actors** |
| **Actor 1: User**  **Actor 2: Admin** |

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| **4. Preconditions** |
| **· To add a review or make a reservation, the user must be successfully logged in**  **· Only with admin credentials restaurants can be added or deleted** |

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| **5. Trigger** |
| **· User enters username and password**  **· User selects restaurant and time to make a reservation** |

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| **6. Primary Sequence** | |
| **Step** | **Action** |
| **1** | **User registers** |
| **2** | **User logs in using username password** |
| **3** | **User searches for restaurant by name** |
| **4** | **User can view/add review** |
| **5** | **User can make reservations by specifying the time** |
| **6** | **Admin can login using admin credentials to add/delete restaurants** |

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| **7. Primary Postconditions** |
| **· Confirmation of table reservation**  **· Confirmation of new review added**  **· Confirmation for adding or deleting a restaurant by the admin** |

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| **8. Alternate Sequences** | |
| **Alternate Trigger** | |
| **User enters invalid credentials** | |
| **Step** | **Action** |
| **1** | **Users enters username and password** |
| **2** |  |
| **Alternate** **Postconditions** | |
| **· Try again if account exists**  **· Create account if account does not exist** | |
| **Alternate Trigger** | |
| **User selects book table** | |
| **Step** | **Action** |
| **1** | **Enters timeslot** |
| **2** |  |
| ***etc.*** |  |
| **Alternate** **Postconditions** | |
| **· If time slot not available, pick another time slot** | |

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| **9. Nonfunctional Requirements** |
| **1. Display 5 reviews per list**  **2. Application must work on all browsers**  **3. Session management**  **4. Email for confirmation of reservation**  **5. User must confirm booking in 5 minutes** |

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| **10. Glossary** |
| **· User: a person who can search for restaurants and make a reservation**  **· Admin: is a user with privileged access who can add or delete restaurants** |