Use Case UC1: Register

Scope: ReserveWell Application

Level: user goal

Primary Actor: Diner

Stakeholders and Interests:

- Diner: Wants to make a reservation at the restaurant efficiently and conveniently.
- Restaurant Manager: Needs to manage reservations effectively and ensure a smooth dining experience.
- System Administrator: Responsible for maintaining and monitoring the reservation system.
- Payment Authorization Service: Responsible for connect to the bank's system
- Development Team: Wants the customer to make the restaurant reservation correctly. Need to ensure system's stability, scalability, security, and adherence to best practices.

Preconditions:

- The reservation system is operational.

-The diner has a stable internet connection.

Success Guarantee (or Postconditions):

-The diner has successfully completed the registration.

Main Success Scenario (or Basic Flow):

1. Diner enters the web site.
2. Diner clicks "Register" button.
3. Diner enters his/her name and surname.
4. Diner enters the password he/she wants to use.
5. Diner enters his/her phone number.
6. Diner enters his/her e-mail.
7. Diner completes the registration with the "Register" button.
8. System sends a confirmation e-mail to the diner's e-mail address.
9. System redirects the diner to the main screen.

Extensions (or Alternative Flows):

*a. At any time, System fails:
1. Diner restarts System, and requests recovery of prior state.
2. System reconstructs prior state
   2a. System detects anomalies preventing recovery:
   1. System signals error to the Diner, records the error, and enters a clean state.
   2. Diner starts to make the registration.

7a. Diner cannot confirmation e-mail due to wrong information.
1. Diner clicks "Register" button.
2. Diner enters his/her name and surname.

3. Diner enters the password he/she wants to use.
4. Diner enters his/her phone number.
5. Diner enters his/her e-mail.
6. Diner completes the registration with the "Register" button.
7. System sends a confirmation e-mail to the diner's e-mail address.

The diner repeats steps 1-7 until he/she is verified.

Special Requirements:

- The system must ensure data security and protect Diner's personal information.
- ReserveWell can implement a verification process to ensure that the company email provided by the Waitstaff belongs to the specified restaurant
- The system must use to secure connections (SSL/TLS) to encrypt data transmitted during the registration process and protect it from potential security threats.

Technology and Data Variations List:

1.The web site is supported by all browsers.
3-6 Database encryption is implemented to safeguard sensitive information, such as passwords and personal details, stored in the system.
8. Confirmation notification can be sent via email.

Frequency of Occurrence: Could be nearly continuous.

Open Issues:

-Determine which languages will be supported by the ReserveWell.
-Determine there will be any advantage for the diners who have membership.
-Design the registration system to be scalable, accommodating an increasing number of Waitstaff registrations without compromising performance.
-Determine password complexity requirements and security measures to ensure the protection of Waitstaff accounts.
-Validate the registration form fields to ensure that the provided information is accurate and meets the required criteria.