ReserveWell
Third Iteration Plan

1. Key milestones

Milestone	Date
Iteration starts	28/11/2023
Develop the application to include other use cases which are register, display reservations, edit working hours, edit capacity.	10/12/2023
Expand the database in order to test application more effectively	12/12/2023
Test the performance and scalability of the application	15/12/2023
Revise work list	16/12/2023
Get feedback from other teams	17/12/2023
Evaluate other teams	17/12/2023
Iteration stops	18/12/2023

2. High-level objectives

- **Implement User Registration Functionality**

Develop and integrate the user registration feature to allow Waitstaff, restaurant manager and diner to create accounts with their email, enabling personalized access to the application.

- **Display Reservations**

Enable the application to display reservations in a user-friendly format, providing Waitstaff and Restaurant Manager with a clear overview of upcoming reservations, including details like date, time, and customer information.

- **Implement Working Hours and Capacity Editing**

Develop functionality to allow Restaurant Manager to edit and update the working hours of the restaurant, ensuring accurate representation of the restaurant's availability for reservations.

Integrate the capability for Restaurant Manager to adjust and manage the restaurant's capacity, providing flexibility to accommodate changes in seating arrangements and optimize the dining experience.

- **Expand Database for Comprehensive Testing**

Increase the scope and scale of the database to include a diverse set of test scenarios, reservations, and user profiles. This expansion will enable thorough testing of the application's performance, scalability, and robustness under varying conditions. Additionally, it will facilitate the identification of potential issues related to data handling and storage, ensuring the application is well-prepared for real-world usage.

- **Optimize Performance and Scalability**

Conduct performance testing to optimize the application's speed and responsiveness. Ensure scalability to accommodate increased user activity and data volume.

3. Work Item assignments

Name / Description	Priority	Size estimate (Points)	State	Reference material	Target iteration	Assigned to (name)	Hours worked	Estimate of hours remaining
Define Iteration Plan 3	2		Closed	<IterationPlan3.doc>	3	Ezgi E.	0	6
Define objects, attrbiutes, methods	3		New	<Design.docx>, <Architecture Notebook.docx>	3		5	5
Support basic registering process	1	5	Assigned		3	Tunalı	17	17
Prototype UI	1		Assigned		3	Tunalı	3	3
Do the design	1		Assigned		3	Tunalı	5	5
Implement	1		Assigned		3	Tunalı	3	3
Test			Assigned		3	Tunalı	3	3
Verify data flow	1		Assigned		3	Tunalı	3	3
Test			Assigned		3	Umut	3	3
Support basic managing reservations process	2	13	Assigned		3	Mustafa	32	32
Prototype UI	2		Assigned		3	Mustafa	5	5
Do the design	2		Assigned		3	Mustafa	8	8
Implement	2		Assigned		3	Mustafa	8	8
Test			Assigned		3	Mustafa	3	3
Verify data flow	2		Assigned		3	Mustafa	8	8
Support restaurant customizations	2	5	New		3		19	19
Prototype UI	2		New		3		3	3

Do the design	2		New		3		5	5
Implement	2		New		3		3	3
Test			New		3		3	3
Verify data flow	2		New		3		5	5
Support data visualization	3	13	New		3		31	31
Prototype UI	3		New		3		5	5
Do the design	3		New		3		5	5
Implement	3		New		3		5	5
Test			New		3		3	3
Verify data flow	3		New		3		5	5
Complete Development Work Products	2		Verified		3			
Define build artifact	2		New		3			
Define developer test artifact	2		Assigned		3	Mustafa		
Define test scenarios which are not use case specific	2	8	Assigned		3	Mustafa	20	20
Do the design	2	8	Assigned		3	Umut	22	22
Develop code	2	13	Assigned		3		29	29
Design interface	2		New		3		8	8
Define data base and entity relationships	2		New		3		8	8
Detailed architecture	3		New		3		13	13
Collaborate with restaurants to integrate the system with existing systems	3	5	Assigned		3	Umut	18	18

4. Issues

Issue	Status	Notes
Load Testing Scenarios	Open	Identify and simulate realistic load testing scenarios to evaluate how the application performs under various levels of user activity and data volume.
Error Handling under Load	Open	Test and address how the system handles errors, timeouts, or degraded performance during peak loads to maintain stability.
Any additional features needed for the core reservation system	Open	In the detailed design phase, the need for additional features may rise

5. Evaluation criteria

- Number of open issues, time to resolution, and issue tracking metrics.

- Completeness and relevance of identified use cases, and alignment of use cases with project scope and objectives.

- Walkthrough of iteration build with Quality Teams received favorable response.

- Minimum 85% of the opinions against the interface design should be positive.

- Completeness and accuracy of project documentation.

- Fulfilling the functions of the application with newly added features.

- System performance under various load scenarios, identification of performance bottlenecks, and responsiveness during peak loads.

- Effectiveness in handling errors during peak loads, user experience in error situations, and system stability under stress conditions.

- Accuracy in assigning and managing user roles, ensuring that Waitstaff, restaurant manager, and diner have appropriate access permissions.

- Timeliness of updates, consistency in displaying real-time data, and user experience in accessing reservation information.

6. Assessment

Assessment target	Third Iteration
Assessment date	18/12/2023
Participants	Development Team, Quality Team
Project status	Green

- **Assessment against objectives**

   Since the iteration has just started, the work items have not been completed, so no evaluation has been made yet.

- **Work Items: Planned compared to actually completed**

   The work items in this iteration have not started yet, but it is anticipated that the schedule will not be left behind.

- **Assessment against Evaluation Criteria Test results**

   No tests have been done yet. Evaluation criteria will be assessed after the tests.

- **Other concerns and deviations**

   -Unforeseen technical challenges or roadblocks.
   -Ensuring thorough testing and quality assurance within the time frame.
   -It is concerned that integrity will not be achieved if each team member performs a task.