ReserveWell
Fourth Iteration Plan

Version History Table

Version	Date	Description
v1.0	15.12.2023	-
v1.1	20.12.2023	• Format issues have been fixed. • Issues part is updated.
v1.2	01.01.2024	• The document has been updated as the iteration has reached the end.

1. Key milestones

Milestone	Date
Iteration starts	22/12/2023
Develop the application to include other use cases which are manage reservations, collaborate with restaurants to integrate the system with existing systems, support waitlist management, support feedback infrastructure and edit work hours.	28/12//2024
Define test scenarios which are not use case specific	30/12/2023
Provide a demo	2/01/2023
Iteration stops	2/01/2023

2. High-level objectives

- ***Develop the Application to Include Other Use Cases (Manage Reservations, Register as a restaurant manager, register as a waitstaff)***

- Develop and integrate data visualization features into the ReserveWell application. Ensure seamless navigation and interaction with visual elements for both diners and restaurant managers.

- Develop and integrate a seamless registration process for restaurant managers in the ReserveWell application and adding related restaurant to the ReserveWell application.

- Implement a straightforward registration process for waitstaff members within the ReserveWell application.

Collaborate with Restaurants to Integrate the System with Existing Systems

- Establish collaborations with partner restaurants to integrate the ReserveWell system with their existing operational systems.

- Conduct system assessments to ensure smooth integration and interoperability.

- Provide necessary support and resources to restaurants during the integration process.

Support Waitlist Management

- Implement a robust waitlist management system within the ReserveWell application.

- Enable restaurant managers to efficiently manage and prioritize diners on the waitlist.

- Ensure real-time updates and notifications for diners as their status on the waitlist changes.

Support Feedback Infrastructure

- Develop and integrate a comprehensive feedback infrastructure for diners to provide reviews and ratings.

- Implement a user-friendly feedback submission process within the application.

- Enable restaurant managers to access and respond to diner feedback, fostering continuous improvement.

Test the Application

- Conduct thorough testing of the ReserveWell application across various scenarios and use cases.

- Identify and address any performance bottlenecks, bugs, or issues.

- Ensure the application meets high standards of functionality, reliability, and user experience.

Provide a Demo

- Prepare and deliver a comprehensive demo of the enhanced ReserveWell application.

- Showcase the newly integrated features, collaborations with restaurants, waitlist management, and feedback infrastructure.

- Gather feedback from stakeholders during the demo to inform any final adjustments before full deployment.

3. Work Item assignments

Name / Description	Priority	Size estimate (Points)	State	Target iteration	Assig- ned To	Effort estimate left (hours)	Hours worked	Reference material
Support reservations display	2	5	Closed	4	Team	0	22	
Prototype UI	2		Closed	4	Team	0	3	
Do the design	2		Closed	4	Team	0	5	

Implement	2		Closed	4	Team	0	3	
Test	2		Closed	4	Team	0	3	
Verify data flow	2		Closed	4	Team	0	5	
Draw sequence diagram to be included in Design Document	2		Closed	4	Team	0	3	<Design.pdf>
Support restaurant workhours customizations	2	5	Open	4	Team	0	22	
Prototype UI	2		New	4	Team	0	3	
Do the design	2		New	4	Team	0	5	
Implement	2		New	4	Team	0	3	
Test	2		New	4	Team	0	3	
Verify data flow	2		New	4	Team	0	5	
Draw sequence diagram to be included in Design Document	2		New	4	Team	0	3	
Support basic managing reservations process (restaurant manager)	3	13	Partial	4	Team	26	35	
Prototype UI	3		Partial	4	Team	3	5	
Do the design	3		Assigned	4	Team	7	8	
Implement	3		Partial	4	Team	6	8	
Test	3		Partial	4	Team	2	3	
Verify data flow	3		Assigned	4	Team	6	8	
Draw sequence diagram to be included in Design Document	3		Assigned	4	Team	2	3	<Design.pdf>
Support basic realizing reservations process (waitstaff)	3	13	Partial	4	Team	26	35	
Prototype UI	3		Assigned	4	Team	3	5	
Do the design	3		Assigned	4	Team	7	8	
Implement	3		Partial	4	Team	6	8	
Test	3		Partial	4	Team	2	3	
Verify data flow	3		Assigned	4	Team	6	8	
Draw sequence diagram to be included in Design Document	3		Assigned	4	Team	2	3	
Support waitlist management	4	13	New	4	Team	32	35	

Prototype UI	4		New	4	Team	5	5	
Do the design	4		New	4	Team	8	8	
Implement	4		New	4	Team	8	8	
Test	4		New	4	Team	3	3	
Verify data flow	4		New	4	Team	8	8	
Draw sequence diagram to be included in Design Document	3		New	4	Team	3	3	
Support feedback infrastructure	3	8	New	4		23	23	
Prototype UI	3		New	4		5	5	
Do the design	3		New	4		5	5	
Implement	3		New	4		5	5	
Test	3		New	4		3	3	
Verify data flow	3		New	4		5	5	
Decide whether outsourcing or inhouse	3		Closed	4		0	8	
Complete Development Work Products	2		Verified	4			28	
Define build artifact	2		Closed	4			6	
Define developer test artifact	2		Closed	4	Mustafa		6	
Create iteration plans	1	8	Closed	4	Ezgi E.	0	24	
Define Iteration Plan 4	3		Closed	4	Ezgi E.	0	6	<IterationPlan4.pdf>
Do the design	2	8	Closed	4	Umut	0	22	
Develop code	2	13	Closed	4		0	29	
Detailed architecture	3		Closed	4		0	13	

4. Issues

Issue	Status	Notes
Load Testing Scenarios	Closed	By loading testing scenarios, application is analyzed to evaluate how the application performs under various levels of user activity and data volume.

5. Evaluation criteria

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

- System performance under various load scenarios.

- The count of positive feedback entries received during the demo.

6. Assessment

Assessment target	Fourth Iteration
Assessment date	01/01/2024
Participants	Development Team, Quality Team
Project status	Green

- **Assessment against objectives**

  Develop the Application to Include Other Use Cases (Manage Reservations, Register as a restaurant manager, register as a waitstaff):

  The registration process for waitstaff has been successfully completed, ensuring efficiency and cancelling required reservation.

  The registration process for restaurant managers has been completed, achieving efficiency, displaying reservations, and accurate access control.

  Manager reservations for both restaurant managers and waitstaff has been achieved. Restaurant managers can see reservations made for the restaurant, they can adjust capacity and cancel the selected reservation. On the other hand, waitstaffs can only display the reservations.

Collaborate with Restaurants to Integrate the System with Existing Systems:

Due to time constraint this objective could not be achieved. It has planned to be realized at the second release.

Support Waitlist Management:

Due to time constraint this objective could not be achieved. It has planned to be realized at the second release.

Support Feedback Infrastructure:

Due to time constraint this objective could not be achieved. It has planned to be realized at the second release.

Test the Application:

Comprehensive testing has been carried out, identifying and addressing performance bottlenecks, bugs, and issues.

Performance bottlenecks, bugs, and issues identified during testing have been successfully addressed, ensuring a robust application.

The application has met high standards of functionality, reliability, and user experience, as validated through testing and user feedback.

Provide a Demo:

A comprehensive demo has been prepared and delivered, showcasing the newly integrated features, collaborations with managing reservations, and registration.

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

  Editing working hours has planned to be realized at the third iteration however it could not be completed due to time constraint. It has planned to be realized at this iteration but there were some technical problems during fourth iteration, that is why it could not be completed in this iteration as well. In this iteration, additional functionalities have been added to the application, which are registration for restaurant manager and waitstaff. Also managing reservations has been added as new feature. Those are completed as they planned at fourth iteration. However, the features such as supporting waitlist, giving feedback, integrating with other restaurants' websites could not be achieved due to time constraint.

- **Assessment against Evaluation Criteria Test results**
  The application has successfully fulfilled its functions, incorporating newly added features.

  User testing and feedback indicate that these features enhance the overall functionality of the ReserveWell application.

  Rigorous testing has been conducted to assess system performance under various load scenarios. The

application demonstrates stability, responsiveness, and efficient handling of peak loads. Performance bottlenecks have been identified and addressed, ensuring a smooth user experience even during high-demand periods. Except TC-07-02, other tests have been successfully passed. Test logs and test cases can be seen from <Test Logs.pdf> and <Test Cases.pdf>.

The count of positive feedback entries received during the demo serves as a key performance indicator for stakeholder satisfaction. The demonstration effectively showcased the newly integrated features, collaborations, and improvements, garnering positive feedback from stakeholders. This positive response reflects the successful achievement of objectives and the alignment of the application with stakeholder expectations.

- **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.