

Samwise Service App	Version 1.5
Iteration Plan 2	Date: 30.12.2023

Revisions			
Version	Description	Date	Person
1.0	The document was created.	04.11.2023	Elif Beril Sayli Özde Uysal Annie Yang
1.1	The document was revised according to Iteration 1 feedback.	11.11.2023	Elif Beril Sayli Özde Uysal Annie Yang
1.2	Section 6. Assessment was completed at the end of Iteration 2.	25.11.2023	Özde Uysal
1.3	Section 3. Work Item Assignments Hours were updated, Revision Table was added, and other revisions were made according to Iteration 2 feedback.	02.12.2023	Özde Uysal Annie Yang
1.4	The document was updated for Iteration 3.	16.12.2023	Elif Beril Sayli Özde Uysal Annie Yang
1.5	Evaluation criteria is updated to be more specific.	30.12.2023	Özde Uysal

## Samwise Service App Iteration Plan 2

### 1. Key Milestones

Milestone	Date
Iteration Start	6.11.2023
Technical Research for Implementation	7.11.2023
System Design and Architecture	12.11.2023
Design User Interface	12.11.2023
Design Database	17.11.2023
Implement BackEnd Features (Use Cases 5-9)	18.11.2023
Implement FrontEnd Features (Use Cases 5-9)	18.11.2023
Testing the Implemented Features	21.11.2023
User Acceptance Test and Feedbacks	25.11.2023
Iteration Stop	25.11.2023

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## 2. High-level Objectives

- 2.1. Making the technical decisions based on research about the backend and frontend frameworks.
- 2.2. Finishing implementation of two use cases 5-9.
- 2.3. Design test of two use cases 5-9.

## 3. Work Item Assignments

The following Work Items will be addressed in this iteration:

Name or Key Words of Description	Priority	Size Estimate (Points)	State	Reference Material	Target Iteration	Assigned to (Name)	Hours Worked	Estimate of Hours Remaining
<b>Technical Research for Implementation</b>	<b>1</b>	<b>8</b>	<b>Closed</b>		<b>1.2</b>	<b>Annie, Özde</b>	<b>16</b>	<b>0</b>
Backend Framework Research							6	0
Frontend Framework Research							6	0
Database Research							6	0
<b>Design User Interface</b>	<b>2</b>	<b>8</b>	<b>Closed</b>		<b>1.2</b>	<b>Elif</b>	<b>16</b>	<b>0</b>
<b>Design Database</b>	<b>2</b>	<b>5</b>	<b>Closed</b>		<b>1.2</b>	<b>Annie</b>	<b>10</b>	<b>0</b>
<b>Create Architectural Notebook Document</b>	<b>2</b>	<b>5</b>	<b>Closed</b>	<Samwise_Architectur eNotebook.doc>	<b>1.2</b>	<b>Elif</b>	<b>10</b>	<b>0</b>
<b>Revise the Documents Created at Iteration 1</b>	<b>3</b>	<b>5</b>	<b>Closed</b>		<b>1.2</b>	<b>Özde</b>	<b>10</b>	<b>0</b>
<b>Start Implementation and Testing of Use Case: Manage User Account</b>	<b>1</b>	<b>13</b>	<b>Closed</b>	<UC: Manage User Account>	<b>1.2</b>	<b>Özde</b>	<b>26</b>	<b>0</b>
Implement Backend Features							6	0
Implement Frontend Features							5	0
Unit Test of Implemented Features							5	0
UI/UX Test of Implemented Features							5	0
User Acceptance Test of Implemented Features							5	0

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<b>Start Implementation and Testing of Use Case: Manage Service</b>	<b>2</b>	<b>13</b>	<b>Closed</b>	<b>&lt;UC: Manage Service&gt;</b>	<b>1.2</b>	<b>Annie,Elif</b>	<b>26</b>	<b>0</b>
Implement Backend Features							6	0
Implement Frontend Features							5	0
Unit Test of Implemented Features							5	0
UI/UX Test of Implemented Features							5	0
User Acceptance Test of Implemented Features							5	0
<b>Plan Third Iteration</b>	<b>3</b>	<b>3</b>	<b>Closed</b>		<b>1.2</b>	<b>Annie, Elif, Özde</b>	<b>6</b>	<b>0</b>
<b>Create Iteration Plan 3 Document</b>	<b>3</b>	<b>3</b>	<b>Closed</b>	<b>&lt;Samwise_I terationPlan 3.doc&gt;</b>	<b>1.2</b>	<b>Annie, Elif, Özde</b>	<b>6</b>	<b>0</b>

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#### 4. Issues

Issue	Status	Notes
Ensure system architecture can support required performance.	Closed	
Ensure consistencies in entities in initial database design.	Closed	
Verify that the scope of each iteration is feasible based on Velocity.	Closed	Iteration Velocities were verified. As the Iterations progressed, the Point Estimates decreased since more clarity has been developed for the system.

#### 5. Evaluation criteria

- 5.1. The compatibility of the selected backend and frontend frameworks with the needs of the application.
- 5.2. Percentage of completion for Use Case 5 against the planned implementation timeline.
- 5.3. Percentage of completion for Use Case 9 against the planned implementation timeline.
- 5.4. Success of creating/ editing/ deleting user accounts functions throughout the application.
- 5.5. Success of creating/ editing/ deleting services functions throughout the application.
- 5.6. Effectiveness of test cases for individual components and 95% of system-level test cases passed.
- 5.7. Reviewer's and advisor's feedback and evaluations to assess their satisfaction with the implemented features.

#### 6. Assessment

<b>Assessment target</b>	Making the technical decisions based on research about the backend and frontend frameworks. Finishing implementation of two use cases 5-9. Design test of two use cases 5-9.
<b>Assessment date</b>	25.11.2023
<b>Participants</b>	Annie, Elif, Özde
<b>Project status</b>	Green, project is on track

##### 6.1. Assessment against objectives

- 6.1.1. Research on Backend and Frontend Frameworks: All work items planned for the second iteration have been successfully completed. Technical research for implementation is done. User Interface and database are designed.
- 6.1.2. Implementation of Use Cases 5-9: Backend and frontend features are implemented successfully.
- 6.1.3. Test of Use Cases 5-9: Unit test, UI/UX test and user acceptance tests of implemented features are completed.

##### 6.2. Work Items: Planned compared to actually completed

- 6.2.1. All of the work items have been identified and completed in this iteration.

##### 6.3. Assessment against Evaluation Criteria Test results

- 6.3.1. Selected backend and frontend frameworks are compatible with the needs of the applications.
- 6.3.2. Use Case 5 is completed against the planned implementation timeline.
- 6.3.3. Use Case 9 is completed against the planned implementation timeline.
- 6.3.4. Creating/ editing/ deleting user accounts functions can be successfully done throughout the application.
- 6.3.5. Creating/ editing/ deleting services functions can be successfully done throughout the application.
- 6.3.6. Over 95% level of test cases are passed.

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6.3.7. Reviewer's and advisor's feedback and evaluations are received and the revisions are made.