Greenwatch v2
Sequence Diagrams
Document

Revision 1

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The most important or intricate use cases for the GreenWatch were identified as creating an agent, setting up an agent, and creating a room. These use cases are outlined in sequence tables and diagrams below.

Table 1: Scenario table for creating an agent

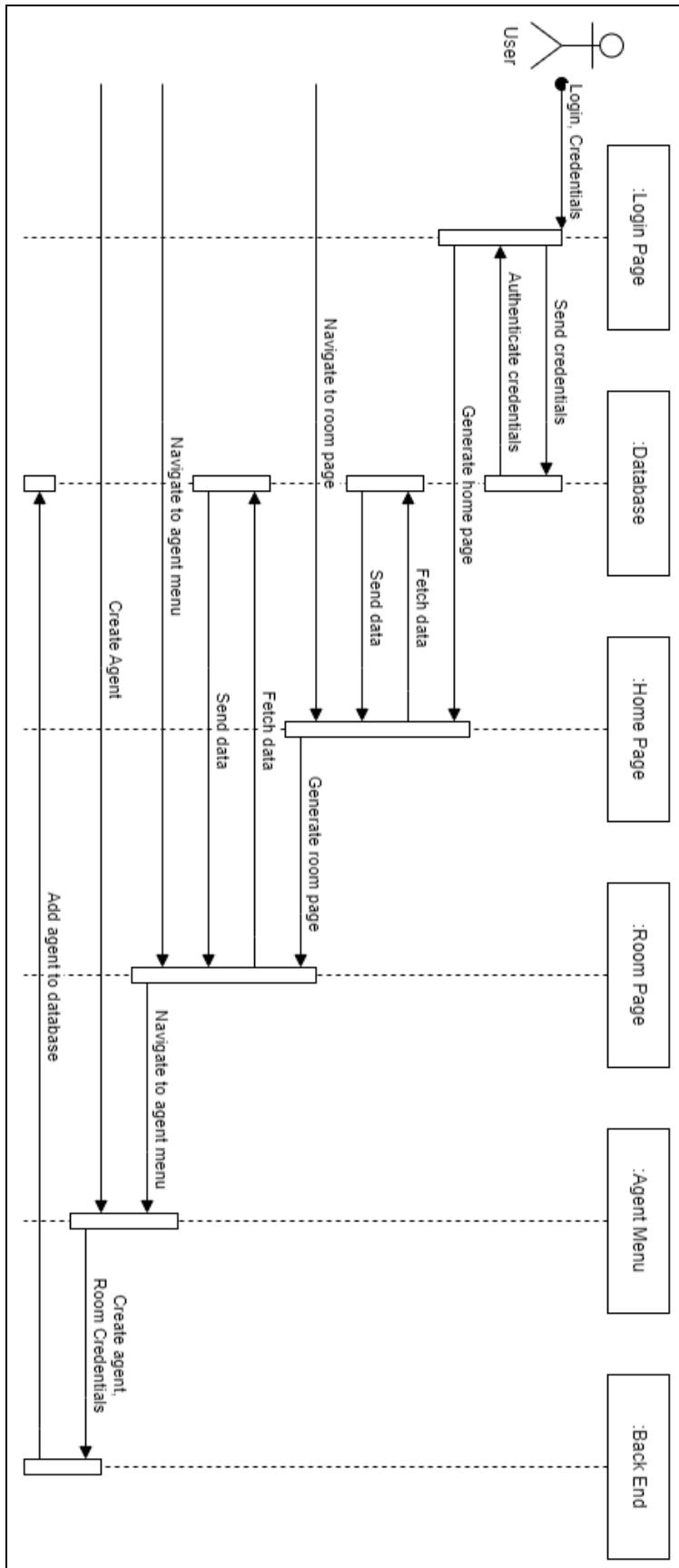| Create Agent	Subject	Action/Message	Other Object/Data	Object Acted
1	User	Login	Credentials	Login Page
2	Login Page	Send	Credentials	Database
3	Database	Authenticate	Credentials	
4	Login Page	Generate		Home Page
5	Home Page	Fetch data		Database
6	Database	Send data		Home Page
7	User	Navigate	Room Page	Home Page
8	Home Page	Generate		Room Page
9	Room Page	Fetch data		Database
10	Database	Send data		Room Page
11	User	Navigate	Agent Menu	Room Page
12	User	Create Agent		Agent Menu
13	Agent Menu	Create Agent	Room Credentials (ID)	Backend
14	Backend	Add Agent Entry		Database

Figure 1: Sequence diagram for creating an agent

Table 2: Scenario table for setting up an agent

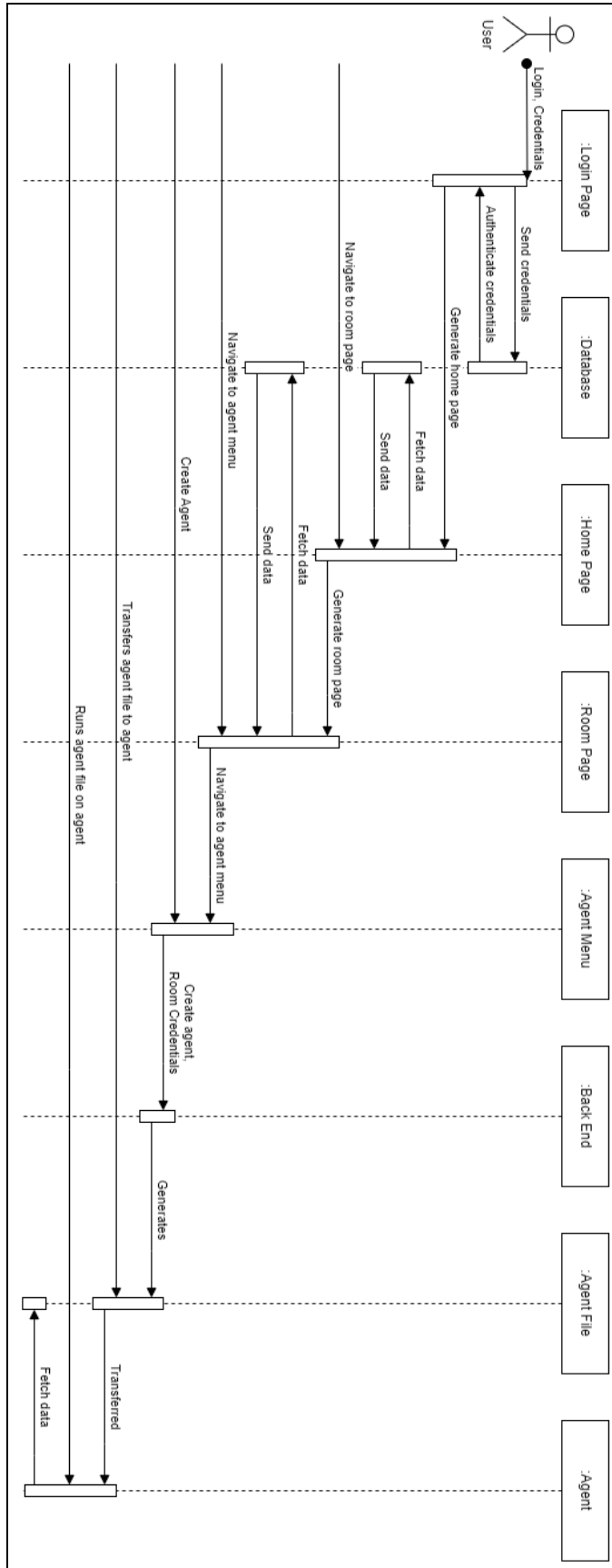| Setting Up Agent	Subject	Action/Message	Other Object/Data	Object Acted
1	User	Login	Credentials	Login Page
2	Login Page	Send	Credentials	Database
3	Database	Authenticate	Credentials	
4	Login Page	Generate		Home Page
5	Home Page	Fetch data		Database
6	Database	Send data		Home Page
7	User	Navigate	Room Page	Home Page
8	Home Page	Generate		Room Page
9	Room Page	Fetch data		Database
10	Database	Send data		Room Page
11	User	Navigate	Agent Menu	Room Page
12	User	Create Agent		Agent Menu
13	Agent Menu	Create Agent	Room Credentials (ID)	Backend
14	Backend	Generate		Agent File
15	User	Transfer	Agent File	Agent
16	Agent File	Transferred		Agent
17	User	Runs	Agent File	Agent
18	Agent	Runs		Agent File

Figure 2: Sequence diagram for setting up an agent

Table 3: Scenario table for creating a room

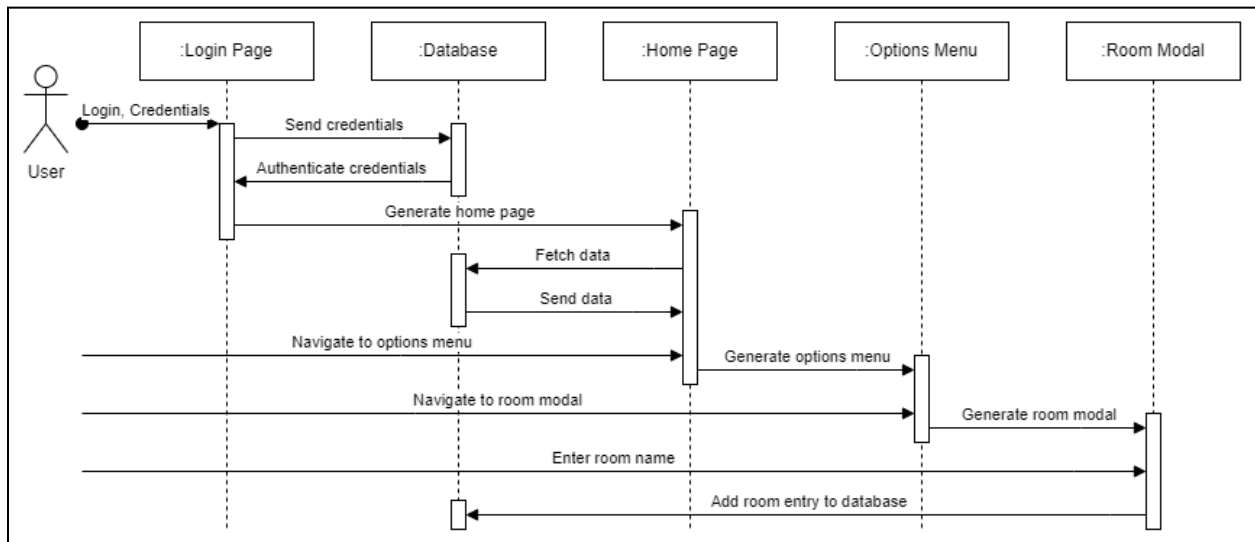| Creating a Room	Subject	Action/Message	Other Object/Data	Object Acted
1	User	Login	Credentials	Login Page
2	Login Page	Send	Credentials	Database
3	Database	Authenticate	Credentials	
4	Login Page	Generate		Home Page
5	Home Page	Fetch data		Database
6	Database	Send data		Home Page
7	User	Navigate	Options Menu	Home Page
8	Home Page	Generate		Options Menu
9	User	Navigate	Room Modal	Options Menu
10	Options Menu	Generate		Room Modal
11	User	Enter	Room Name	Room Modal
12	Room Modal	Add Room Entry		Database

Figure 3: Sequence diagram for creating a room