**Scheduling Module**

Sarah and Ted find it difficult to manage employee schedules for multiple locations.

Different locations have different set hours with some locations staying open late most evenings. Sarah and Ted prefer to have longer-term employees (Keyholders) always on site.

Sarah and Ted would like to schedule workshifts for their employees.

A diagram of a workflow

Description automatically generated

User Story

As the owner of this business, I would like to schedule workshifts for my employees by location.

Acceptance Criteria:

1. Must be able to record multiple workshifts for an employee at one time.
2. Must be able to query workshifts by location.
3. Must be able to query workshifts by employee.

Use Case Descriptions

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Create Employee Workshifts | | |
| Triggering Event | Planning for a future work week | | |
| Brief Description | Allows the Owner to schedule workshifts for employees by location. | | |
| Actors | Owner | | |
| Related Use Cases |  | | |
| Preconditions | Owner has opened the Main Menu. | | |
| Post Conditions | Workshifts are created and can now be queried | | |
| Flow of activities | Actor | | System |
|  | 1. | Requests to view already scheduled workshifts | Displays a list of locations and their required opening and closing hours. Prompts for selection.  Displays a calendar prompting for start and end date. |
|  | 2. | Selects a location and enters a start and end date. | Displays a list of scheduled workshifts for the entered time period.  Displays a list of employees including their name, job title, and prompts for selection.  Prompts for day, start time and end time of workshift. |
|  | 3. | Selects an employee. Enters date, start time and end time for the scheduled workshift | Creates a workshift ID  Adds workshift entry.  Displays a list of scheduled workshifts for the entered time period.  Displays a list of employees including their name, job title, and prompts for selection.  Prompts for day, start time and end time of workshift. |
|  | 4. | Repeats above step until done | Displays a list of scheduled workshifts for the entered time period.  Prompts to exit and save. |
|  | 5. | Chooses to exit and save | Saves. Return to the main menu |
| Exception Conditions | * Owner chooses to abort adding the Workshift | | |

Your tasks:

1. Create a class diagram to support the above case study and Systems Use Case Specifications
2. Create an object level sequence diagram, detailing the Create Employee Workshifts use case specification.

A diagram of a computer program

Description automatically generated with medium confidence