Scheduling Module

This is an individual Lab

This lab is graded as either pass or fail. To pass you must:

1. Attend the lab class.
2. Add to your visual paradigm model for the semester. Authentic work only.
   1. Class diagrams as required
   2. Sequence diagrams as required.
   3. Each diagram must include the following as a note
      1. Your name, studentID, mySenecaID
      2. Date
      3. Title of work
      4. Group Number (after groups are assigned)
      5. Your Professor
3. Copy your diagrams to a MSWord compatible file( .docx or .pdf)
4. Submit your MSWord compatible file and your .vpp

Linda finds it difficult to manage employee schedules for multiple locations.

Different locations have different set hours with some locations staying open late most evenings. Linda prefers to have longer term employees (Keyholders) always on site.

Linda would like to schedule workshifts for her employees.

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 the 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 there required open and close 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 and 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 and 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 the data. Returns 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 diagrams, to support the use case descriptions described above.



