Functional Requirements:

Employer:

* The web application must have a registration page for employers to register their business with name and unique ID.
* The web application must have a registration page for employers to create their accounts with unique email addresses and password.
* The web application must have a login page where registered employers can enter their credentials to access their accounts.
* The system should allow employers to create team of their employees for their businesses.
* System should allow employers to access availabilities of their employees to manage schedules.
* The software should display the schedule of each employee’s availabilities, which will allow employers to plan their schedules accordingly.
* Employers should be able to create schedules based on employees’ availabilities.
* The system should display the complete schedule of employee shifts.
* Employers should be able to manage and update their employees’ schedules, including adding, removing, and changing shifts.
* Time Line

Employee:

* The web application must have a registration page for employees to create their accounts with unique email addresses and password.
* The web application must have a login page where registered employees can enter their credentials and access their accounts.
* Employees should be able to view their personal details such as contact information and schedule related information.
* Employees should be able to set their availability and update it including adding, removing, and changing availability.
* The software should display a schedule of employee’s availabilities they added to system.
* Employees should be able to view their own schedule and shift details.

Overall:

* The system must provide secure access to employer and employee accounts and any information.
* System should be user-friendly and easy to navigate for both employers and employees.
* System complies a light-dark theme to make application personalized.

Non - Functional Requirements:

Security:

* System secures and protects users’ data using encryption, all user passwords stored in database are encrypted.
* To access the main system each user must enter their unique ID and password.
* System has a mechanism that manages actions users can perform based on their access level and permissions.
* System manages user sessions to prevent unauthorized access.

Performance:

* System should be able to handle many users and data at one-time without any crashes.
* Each user-interface should render and display information in less than a second.
* System can manage and provide data storage up to 64 Gigabytes.
* System’s database transactions should be able to respond in less than 500 milliseconds.

Cultural & Political:

* System is available in English and utilizes local time.
* System’s use of it’s users data complies with Canadian Privacy Law PIPEDA (The personal Information Protection and Electronic Documents Act).
* System does not send any advertisements or promotional offers to any users without their consent.
* System does not include or promote any political viewpoints.

Operational:

* System should provide a support page, including all necessary information regarding the system.
* All users must have internet access and a computing device to use the system.
* System should have a way to backup old data stored in database in order to maintain the performance.