**Liberation: Union Organization System**

Project Description

This project is an organization system for union organizers. It is designed to centralize and create easy access to information, training, and access to union representatives across a campaign. It will allow staff to manage multiple workplaces; organizers will be able to manage a workplace, including managing worker information relevant to union organization. The system will be a central hub for workers to access important information. Workers will be able to access training, ask organizers questions, and sign union cards.

It is imperative to recognize that highly sensitive information is handled in union organization. All data in our sensitive information systems will be encrypted in storage. All inputs will need to be screen for SQL injections.

On the home page for the staff organizer will be important information. It will include upcoming election dates, the top five lowest percentage of “Voting Yes” workplaces, and worker questions. Clicking on a workplace on the home page will direct to the direct workplace page.

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# **Chapter One: Sensitive Information Systems**

## Domain Class Diagram

A diagram of a company

Description automatically generated with medium confidence

This Model is the domain class diagram. It was the initial design of the system. Systems have since been changed to model better practices.

## System Class Model

A computer screen shot of a diagram

Description automatically generated

## Use Case Model: Managing Workplace Data

A diagram of a person

Description automatically generated

### Create a Workplace

|  |  |
| --- | --- |
| **Name** | Creating a workplace |
| **Actors** | Staff, Organizer |
| **Goals** | The actor will create a workplace with a unique ID |
| **Summary** | An actor will login to the system to create a workplace. A workplace will include a workplace name, a store number, a workplace phone number, and a workplace address. There will be a unique 5-character ID generated associated to the workplace. |
| **Preconditions** | The Actor is logged in and verified in the system |
| **Postconditions** | Unique 5-character workplace is generated |
| **Related Use Cases** | N/A |

|  |  |
| --- | --- |
| **Steps** |  |
| **1** | Click GUI button to create a new workplace |
| **2** | Screen will go to “Workplace Information” panel |
| **3** | User will fill in fields needed for a new workplace: workplace name, a store number, a workplace phone number, and a workplace address |
| **4** | User will click submit. |
| **5** | A unique 5-character ID will be generated and compared to database to ensure uniqueness |
| **6** | Tuple will be added to workplace database |
| **7** | User is sent confirmation dialog |

### Modify Workplace

|  |  |
| --- | --- |
| **Name** | Modifying a Workspace |
| **Actors** | Staff |
| **Goals** | The Actor will modify workplace information |
| **Summary** | The Actor will receive all current information on a workplace and be able to modify any information available besides Workplace ID |
| **Preconditions** | The Actor is logged into the system, Workplace is already created |
| **Postconditions** | Workplace entry in Workplace Database is modified to have updated information |
| **Related Use Cases** | Create a Workplace |

|  |  |
| --- | --- |
| **Steps** |  |
| **1** | User will select a workplace and click the GUI button for modify workplace |
| **2** | GUI will go to “Workplace Information” panel |
| **3** | Information from specified workplace will be retrieved from Database |
| **4** | Information will populate the field |
| **5** | User modifies data |
| **6** | User clicks submit |
| **7** | Tuple is updated in database |
| **8** | User is sent confirmation dialog |

### Manage Workplace Data

|  |  |
| --- | --- |
| **Name** | Manage Workplace Data |
| **Actors** | Staff, Organizer |
| **Goals** | The Actor will Manage Data in the workplace |
| **Summary** | The Actor will add, remove, or edit worker information |
| **Preconditions** | The Actor is logged in, the workplace is created, workplace ID is entered |
| **Postconditions** | A tuple is edited or added to Workplace Database. |
| **Related Use Cases** | N/A |

|  |  |
| --- | --- |
| **Steps** |  |
| **1** | User clicks “Go to Workplace” button. |
| **2** | GUI Switches to “workplace panel” |
| **3** | The table in the workplace panel is populated with all workplace data. Tuples are as follows: workers name, supporting level, shift, organizing committee, shift worked, card signed, phone number, email address, and notes |
| **4** | Tuple can be edited, created, or removed |
| **5** | Actor clicks submit |
| **6** | Table is updated in Workplace Database |
| **7** | Confirmation message is sent |

## Use Case Model: Managing Union Card Data

A diagram of a person's work flow

Description automatically generated

### Creating an Account

|  |  |
| --- | --- |
| **Name** |  |
| **Actors** |  |
| **Goals** |  |
| **Summary** |  |
| **Preconditions** |  |
| **Postconditions** |  |
| **Related Use Cases** |  |

|  |  |
| --- | --- |
| **Steps** |  |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **6** |  |
| **7** |  |
| **8** |  |

### Signing a Union Card

|  |  |
| --- | --- |
| **Name** |  |
| **Actors** |  |
| **Goals** |  |
| **Summary** |  |
| **Preconditions** |  |
| **Postconditions** |  |
| **Related Use Cases** |  |

|  |  |
| --- | --- |
| **Steps** |  |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **6** |  |
| **7** |  |
| **8** |  |

### Deleting a Union Card

|  |  |
| --- | --- |
| **Name** |  |
| **Actors** |  |
| **Goals** |  |
| **Summary** |  |
| **Preconditions** |  |
| **Postconditions** |  |
| **Related Use Cases** |  |

|  |  |
| --- | --- |
| **Steps** |  |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **6** |  |
| **7** |  |
| **8** |  |