Attendex

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Program Description

The program will keep attendance records for 100+ employees. It will mark down a variety of reasons for absences and tardiness such as various emergencies or midterms. It will mark a variety of attendance infractions such as no call no show and calling in sick. It will keep the record of the attendance for the last 100 days and update last 100 based on current date. It will record attendance inquiries and communication details for each employee.

The program will have a modest GUI with a search bar, ability to add and remove individuals, and a clickable list of each employee with the most important employee information listed next to each employee. All categories will be sortable in ascending and descending order and clicking on an individual will bring up more information about them. There will also be a second tab that keeps track of communication inquires in a priority queue and presents the one without a response for the longest time as highest priority.

Project Stakeholders

Primary

- Administrators responsible for scheduling and recording the absences of employees

Secondary

- Supervisors who are responsible for hiring employees and managing.
    - Require the strike count to determine whether an interaction with an employee is required or not.

Program Output

- Organized folders in the Computer's File Directory
    - *See Figure 1 below*
- Calendar views of data with a corresponding date
- Textual output on screen

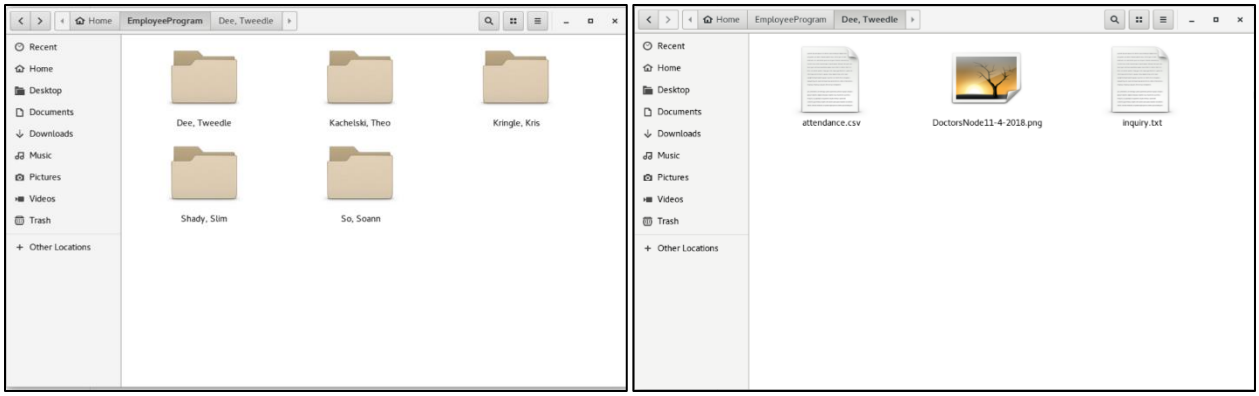

Figure 1

Program Input

Required Data

- Employee name
- Employee strike count
- Dates of employee absences

Accepted Data

- Dates of inquiries sent to employee
- Employee schedule
- Employee contact information

Graphic User Interface (GUI)

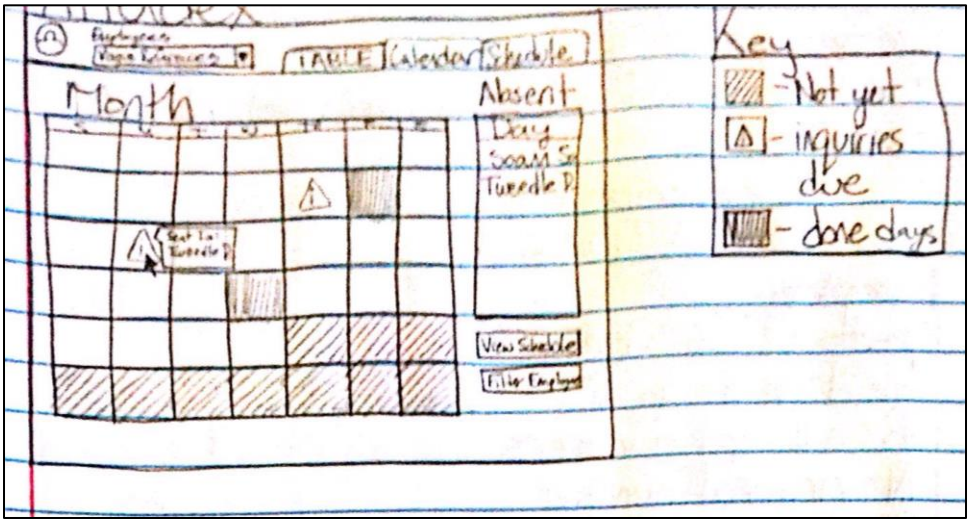

Figure 2: Calendar View

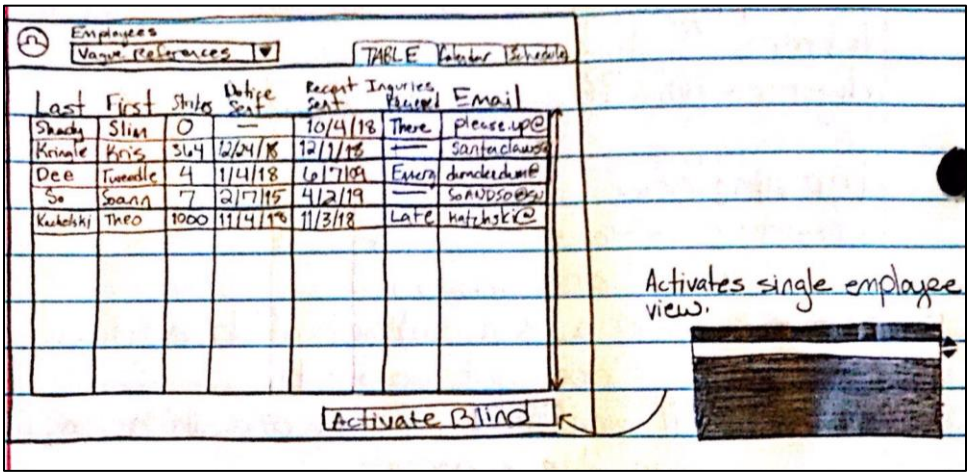

Figure 3: Table View

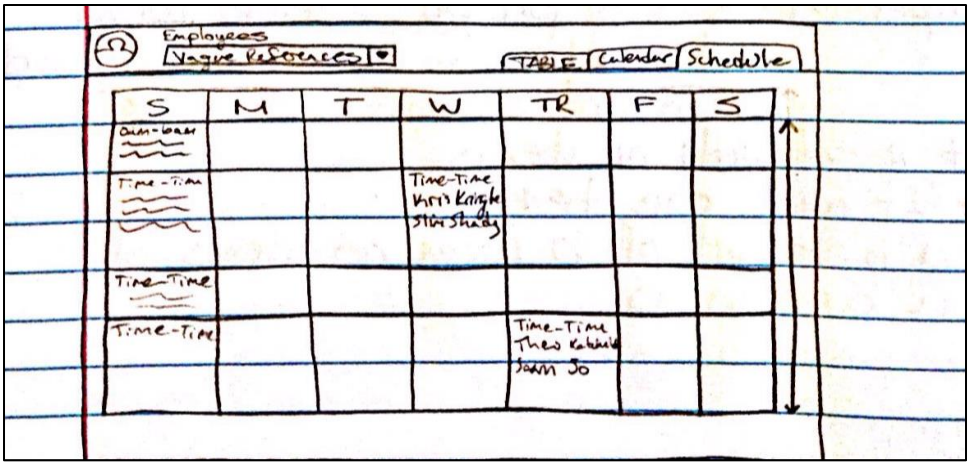

Figure 4: Schedule View

Notes on User Interface

Figure 3

- A search bar will be present above the table
- The Blind Mode activation button will be moved above the table

General

- The circular button in the upper left corner creates a pop-up/in window where the settings of the webpages can be modified
    - Settings Included
        - Color scheme
        - Preferred homepage
        - Others to be added

Data Control Flow

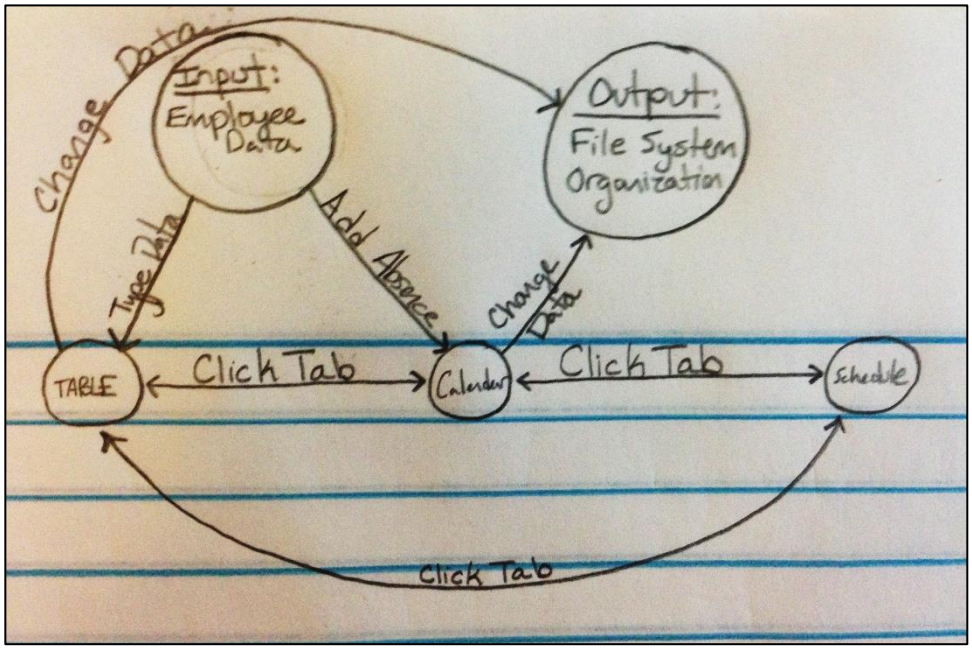

Figure 5

Implementation

Classes to be Implemented

Employee

Stores Employee Name, ID and Strike Count

Main

Drives program and implements the various structures needed to display and move data

Phases of Implementation

Phase 1

- Table view is operational, able to access, move, and change data
- Individual employee data is stored correctly

Phase 2

- Strikes are automatically calculated based on user input
- Search is functional in the Table view
- Inquiry data and other personal files can be stored

Phase 3

- Calendar and schedule views are fully functional
- Sorting by different criteria is allowed

Future phase

- Connect to an email server and be able to send emails from the program
    - Store email templates
- Schedule view is directly connected to the employee scheduling software and updates accordingly