

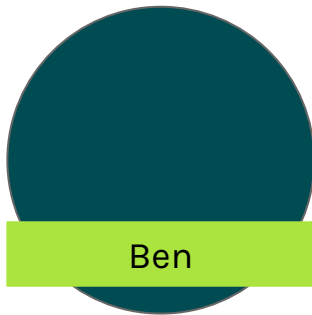


FermiTracker

Hello!



Aaron



Ben



Brandon



Joe



Kristen



1.

PROJECT TOPIC

Our customer and their key requirements

Joe

Fermilab



Fermi National Accelerator Laboratory
Roads and Grounds Department
Batavia, Illinois

FermiTracker

Overtime Tracking Application



What they currently use...

	A	B	C	D
1	Name ▼	Phone Number ▼	Overtime Offers ▼↑	Intradept. Senior ▼↑
2	K, R*	cl 630-840-3303	170.75	1
3	VH, J	cl 630-840-3303 (DO NOT CALL THESE)	172.25	12
4	Fo, R*	cl 630-840-3303	173.25	5
5	F, D*	cl 630-840-3303	173.5	8
6	W, S	cl 630-840-3303	177	11
7	Fr, R*	cl 630-840-3303	177.75	10
8	H, J*	cl 630-840-3303	178.25	3
9	H, P	cl 630-840-3303	178.25	13
10	K, G*	630-840-3303	180	2
11	C, B	cl 630-840-3303	181.25	7
12	G, C	hm 630-840-3303	182.25	6
13	V, M	cl 630-840-3303	184.25	4
14	A, W	cl 630-840-3303	185	9
15	void space for employee not hired yet		999	14
16	*not in bison feeding program		9/23/2019	
17	Time		4:30pm	

Requirements

- ◆ Create a list of employees containing their name, phone number, seniority, and offered hours
- ◆ Automatically sort so that the employee with the least hours and highest seniority is at the top
- ◆ Bison Feeding program note
- ◆ Ability to print out the list to display in the office
- ◆ Management and View Only accounts



2. USER STORIES

The needs of the key users

Data Entry



*As a manager, I want to be able to add
or remove employees so that I can adapt
to future changes.*

As a manager...

- ◆ I want to be able to edit the names and data of employees in the database so that I can accept changes of employee's information.
- ◆ I want to be able to be able to group users based on if they are in the bison feeding program or not so that I know their involvement in the program.

As a manager...

- ◆ I want to be able to input the number of hours offered to each employee so that I can fairly keep track of each employee's hours.
- ◆ I want seniority to be added to each employee so that the list can be adjusted accordingly.
- ◆ I want a separate account for employees and management so that information can only be entered or changed by those with permission.

List Operation



As a manager, I want the list to be automatically sorted so that I only need to enter the hours offered each week.

As a manager...

- ◆ I want the list of employees and their hours offered to be sorted so that the employee with the least number of hours and highest seniority are at the top of the list.



Viewing



*As a manager, I want to be able to print
the sorted list so that I can display it in
the office.*

As a manager...

- ◆ I want the list to be easy to update and post so that I do not lose time.



*As an employee, I want to view my
position on the list.*

As an employee...

- ◆ I want to see the time the list was updated so that I can ensure accuracy.
- ◆ I want to access the list at any time.
- ◆ I want to see a printed copy in the office.

Non-Functional



As a developer, I want the application to run smoothly so that all employees can understand it and use it efficiently.

As a developer...

- ◆ I want the application to be functional on the Fermilab network so that employees can easily access it.
- ◆ I want the application to meet all requirements by the customer so that they are happy with the results.



3. TRELLO BOARD

Our initial tasks

Here's What Everyone Is Up To

- ◆ Customer Contact - Joe
- ◆ Brainstorming - Everyone
- ◆ Git familiarization - Everyone
- ◆ Data structure implementation - Brandon
- ◆ Identify required objects - Joe and Aaron
- ◆ Identify levels of user access - Joe and Aaron
- ◆ Create Database - Ben
- ◆ GUI mockup - Kristen
- ◆ Initial coding - Brandon

Fermilab OT List Project



3610 Group 5 Free

Team Visible



Invite

Show Menu

+ Add another list

To Do

Data structure implementation

BT

Create database

BW

Create GUI mockup

KH

+ Add another card

Doing

Kick-Off Presentation

Oct 1

5

AC BW BW BT JK KH

Identify required objects

AC JK

Identify levels of user access

AC JK

+ Add another card

Done

Set up GitHub repo

JK KH

Project Kick Off Document

Oct 1

1

AC JK

User Stories

Oct 1

2

JK

+ Add another card

Deployment

Personal Performance Reviews

Dec 3

AC BW BW BT JK KH

Final Project Submit in Moodle

Dec 3

JK

+ Add another card

Fermilab Contact

Verify Requirements with point of contact

Dec 3

JK

Provide updates during development

Dec 3

JK

Connect with FESS software developer for assistance with deployment

Dec 3

JK

+ Add another card



4. OBSTACLES

The biggest obstacles we have at this point

Possible Obstacles

- ◆ Working in a group of 5 can be a challenge vs. smaller groups
- ◆ Fermilab may add additional requirements as the project goes on, so we'll need to adjust for those on the fly
- ◆ General coding issues (bugs, logic errors, etc.)



Thanks!

Any questions?