Weekly Capstone Update Meeting

Sep 23 2022

PA Dept. of Labor & Industry + CMU

Project Timeline

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

0 Kickoff Meeting 9.9

1 First Sprint   9.12-9.23
- **Walk through the platform**
- **Set up environment on local machines**
- **Research on current solutions**

2 Second Sprint 9.24-10.7
3 Third Sprint 10.17 -10.28
4 Fourth Sprint 10.29-11.11
5 Fifth Sprint 11.12-11.25
6 Sixth Sprint 11.26 -12.9

Project Progress Updates

➔ **Meet with PA Dept to walk through the platform**
- Got a demo walk-through with PA Department
- Got more requirement

➔ **Deployed the application on local machines**
- Got the application running on VM, however application login issues persist

➔ **Conducted research on current solutions**
- Django
- SARIMAX
- Prophet
- Neural Net
- Data flow within the application

Current Problems & Next Steps

➢ **Got blocked when logging into the application**
   ○ Missing the user table in DB, may need to create this table

➢ **Inconsistent in database**
   ○ Brian will help in looking back emails with past teams for more detailed information

Goals For Next Week

- **Update repository**
  - README
  - Past reports
  - Current documents
- **Explore more on data analysis**
  - Medical cost data
  - Employee data
- **Set up the application on all members' machine**
- **Finalize requirements**
- **Prepare for Mid-term presentation**

Definition

To help us align on which aspects of the project we are discussion, here are the definitions we will use:

- **Application: The main interface that allows you to upload data as well as configure and run a prediction in your web browser.**

- **Visualization tool: The Power BI dashboard that is used for analysis and visualizing injury rate predictions. Currently, this dashboard is in an external window to the web application.**