
P&NP PROJECT

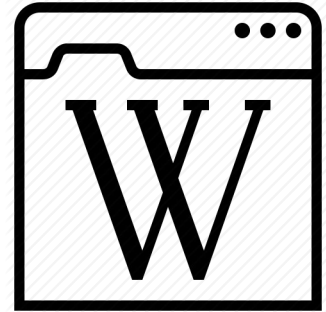
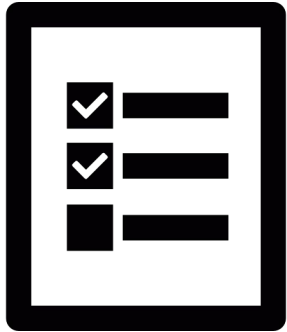
— Technology Enquiry Project_Group2 —

[Minji Kim, Natalie Huang, Mona Ma, Lucas Qin]

PROJECT CLIENT



P&NP COMPANY REQUIREMENTS ANALYSIS



- A 'To-do' list feature to manage each tasks
- A 'Assigning' feature to assign tasks to different team member
- A feature that can maintain project 'Resources'
- A 'Wiki' for documenting information related to general company protocols

PLANNING - FEATURES

- Identify features
- Prioritize each features

Priority	Features
High Priority	Register, Login, Logout
	To do list (Add, Remove, Move task)
	Progress visualisation
Medium Priority	Upload and store project resources
	Assign & Request task to team member
	Wiki
Low priority	Search bar
	Editing profile
	Notification of a request

PLANNING - SPRINT

SPRINT1 (Week 6): Register - Login - Logout (High priority)

SPRINT2 (Week 7-Week 8): To-do list (High priority)

SPRINT3 (Week 9): Progress visualisation (High priority)

SPRINT4 (Week 10): Assign (Medium priority)

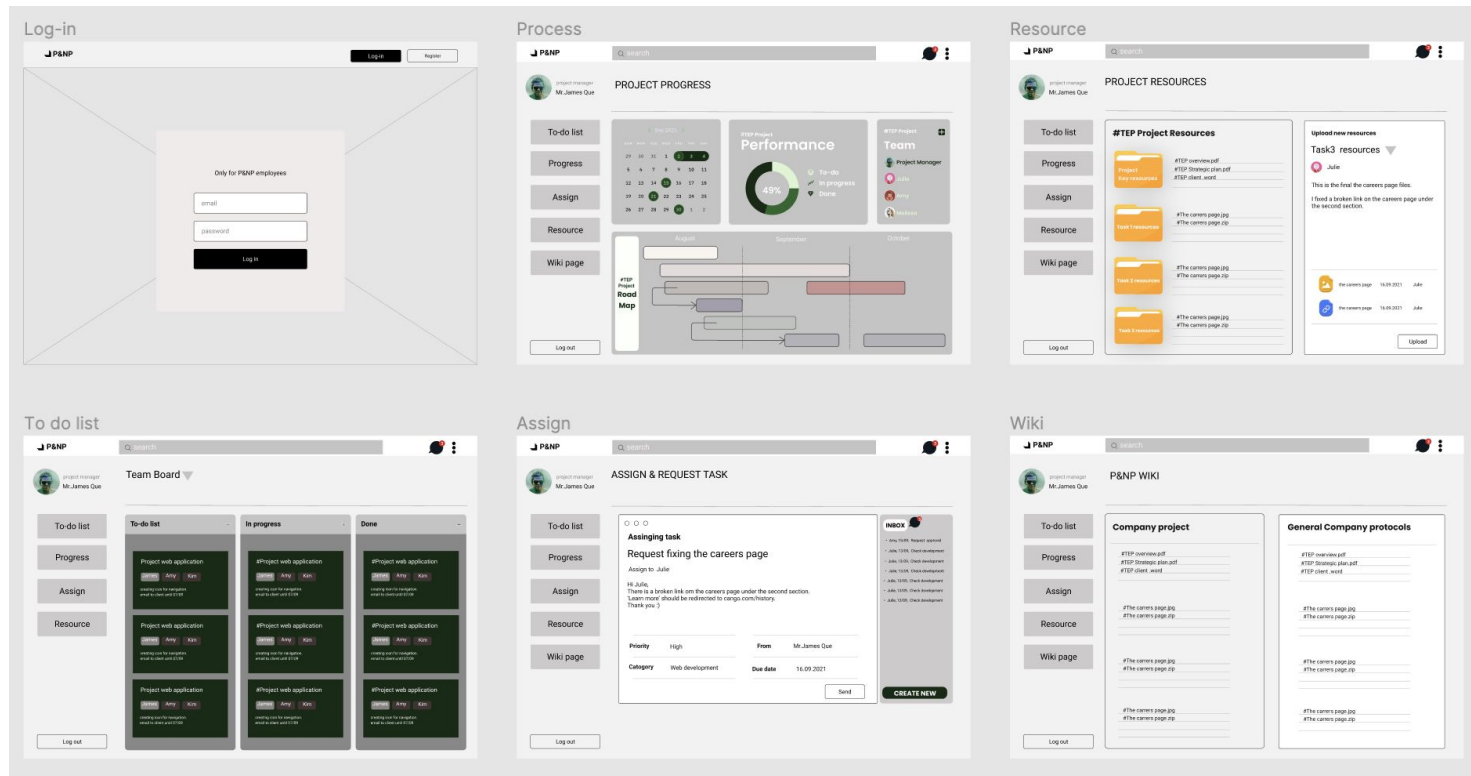
SPRINT5 (Week 11): Wiki (Medium priority)

SPRINT6 (Week 12): Resources, Search bar (Medium priority)(Low priority)

DESIGN - WIREFRAME

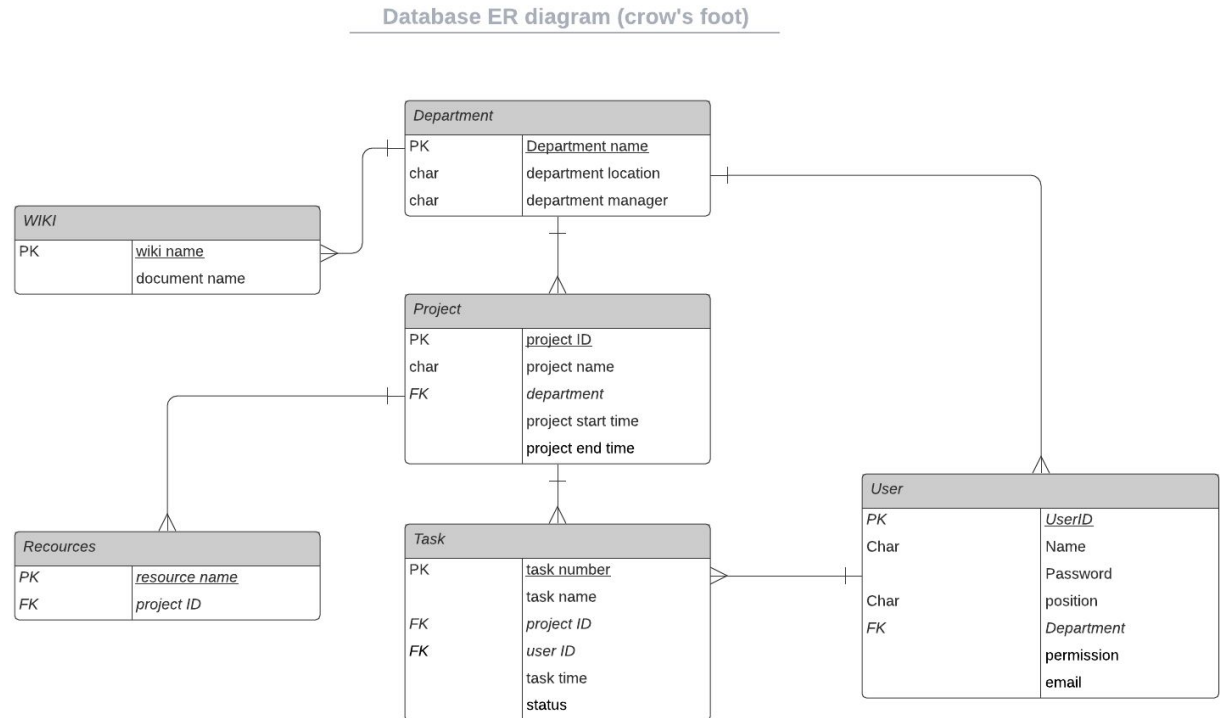
Wireframe

(Figma)



DESIGN - DATABASE

ER diagram
(lucia)



Technology Stack



Frontend languages



Libraries



Backend Framework



Backend Language

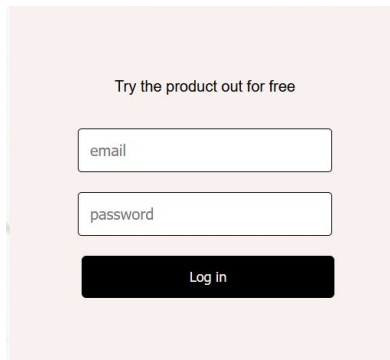


Database

SPRINT 1

— Register - Login - Logout —

KEY FEATURES

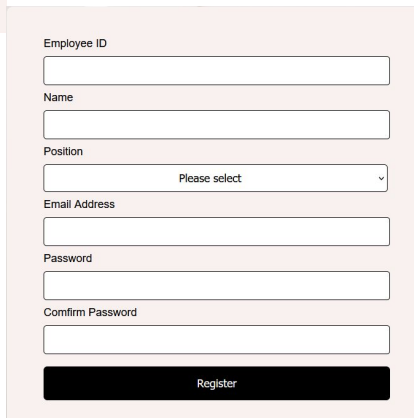


Try the product out for free

email

password

Log in



Employee ID

Name

Position

Please select

Email Address

Password

Confirm Password

Register

Page function:

- Homepage
- Register
- Login and out



Security:

- Javascript validation
- Python validation
- Password encryption
- Checking employee ID
- Csrftoken (Entire app)

SPRINT 2

— To-do List —

KEY FEATURES

Build To-do List  

Project Code:
0001
Due date:
19,10,2021
Description:
Build To-do List
Team Member:
Minji,Lucas,Mona,
Natalie,Niki

Register and Login  


Project Code:
0002
Due date:
25,10,2021
Description:
Register, Login
and Logout
Team Member:
Mona,Natalie,Minji


Assign Page  


Project Code:
0003
Due date:
29,10,2021
Description:
Assign Page
Team Member:
Natalie,Mona


To-do list(Kanban style)


- Add new task
- Edit a task
- Remove a task
- Drag and drop
- Assign task to a team member


To-do list 


Task Name:Buy apples
Details: Buy more apples.
Due Date: Oct. 31, 2021, midnight
Team Member: Lucas 

Task Name:Presentation
Details: Do presentation.
Due Date: Oct. 31, 2021, midnight
Team Member: Minji 

Task Name:Add new task
Details: Create add new task button and connect it to the server.
Due Date: Oct. 30, 2021, midnight
Team Member: Minji 

In progress  [Click Here to View Project 0001's Progress](#)

Task Name: Drag and drop
Details:Implement the drag and drop function using JavaScript, and update any changes to the server.
Due Date: Dec. 11, 2021, midnight
Team Member: Natalie 

Task Name: Edit a task
Details:Create the edit-task button, and update any changes to the server.
Due Date: Dec. 28, 2021, midnight
Team Member: Lucas 

Done

Task Name: Buy fruits
Details: Oranges.
Due Date: Nov. 28, 2021, midnight
Team Member: Mona

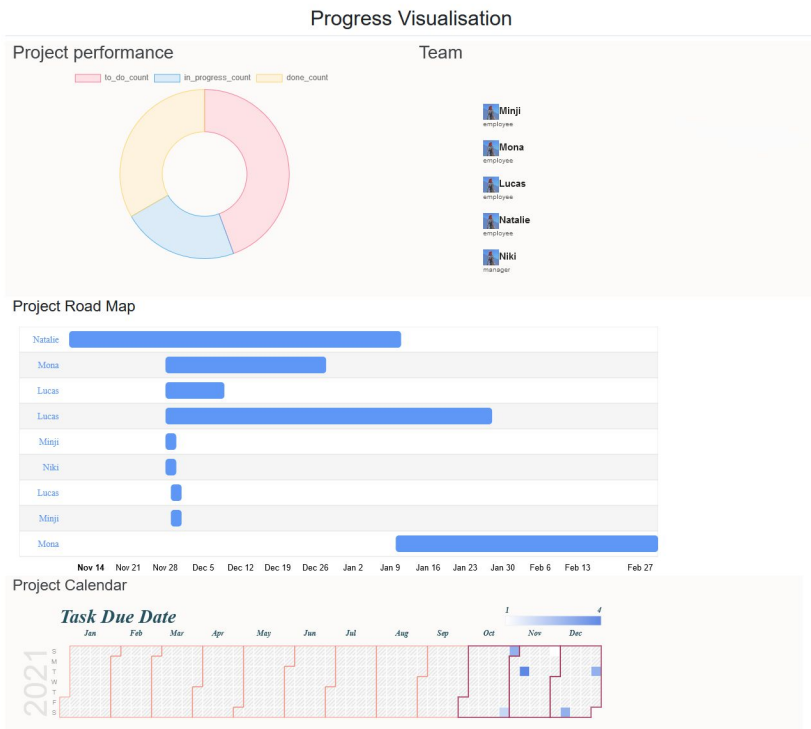
Task Name: bom
Details: Add styles
Due Date: Nov. 9, 2021, midnight
Team Member: Lucas

Task Name: buy grocery
Details: More apples.
Due Date: Jan. 28, 2022, midnight
Team Member: Mona

SPRINT 3

— Progress visualization —

KEY FEATURES



Progress visualization

- Task progress
Check all tasks status
- Team member board
View team member
- Road map
Represent a linear schedule
- Calendar
Check important dates

SPRINT 4

Assign page

KEY FEATURES

Teams

Name: Lucas
Current tasks
Position:employee
Employee ID: 0003
email: lucas@gmail.com
projects: Add new task Edit a task Remove task Drag and drop Team member

Name: Minji
Current tasks
Position:employee
Employee ID: 0005
email: minji@gmail.com
projects: Delivery 3 and 4

Name: Mona
Current tasks
Position:employee
Employee ID: 0004
email: mona@gmail.com
projects: Delivery 3 and 4

Name: Natalie
Current tasks
Position:employee
Employee ID: 0002
email: natalie@gmail.com
projects: Add new task Edit a task Remove task Drag and drop Team member

Name: Niki
Current tasks
Position:manager
Employee ID: 0001
email: niki@gmail.com
projects: Add new task Edit a task Remove task Drag and drop Team member

Assign task

- Showing existing workload for individual team member.

Going to do

Task Name:Buy apples

Project: Build To-do List

Details: Buy more apples.

Due Date: Oct. 31, 2021, midnight

In progress

Task Name: Edit a task

Project: Build To-do List

Details: Create the edit-task button, and update any changes to the server.

Due Date: Dec. 28, 2021, midnight

Done

Task Name bom

Project: Build To-do List

Details: Add styles

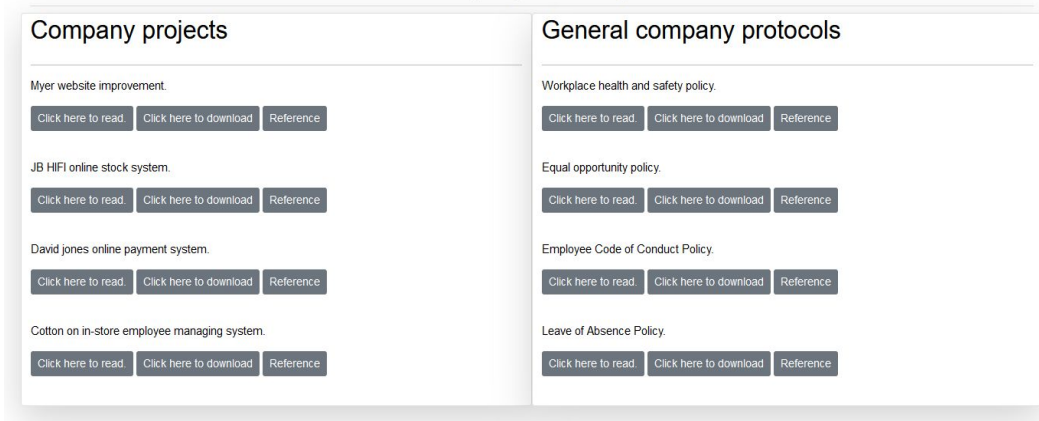
Due Date: Nov. 9, 2021, midnight

SPRINT 5

Wiki Page

KEY FEATURES

Company Wiki Page



Wiki page

- Check company protocols
- Download files

SPRINT 6

Resources page

KEY FEATURES

Resources

Search for...

Template.

[Click here to read.](#) [Click here to download](#)

Static.

[Click here to read.](#) [Click here to download](#)

Data.

[Click here to read.](#) [Click here to download](#)

Project brief.

[Click here to read.](#) [Click here to download](#)

Read Resource

- resources/login.css
- resources/lab02_qwrGTQc.html
- resources/base.html
- resources/project.html

Download Resource

- resources/login.css
- resources/lab02_qwrGTQc.html
- resources/base.html
- resources/project.html

Upload new resource

Files should be less than 100MB

Browse...

Upload

Resources page

- Check project resources
- Upload new project files
- Search bar

TESTING FOR EACH SPRINT

In Django, a project could have many applications for controlling over different function. In this step, we combine different applications built in different server.

- Change configuration
- Change url pattern
- Database adjustment
- HTML template tags adjustment
- Database query method adjustment
- Testing each function after combination

MAINTENANCE PLAN



Bug fix

Urgent bugs will be fixed as quickly as possible. No matter which variety of bugs appears in our product, they will be fixed.



Security updates

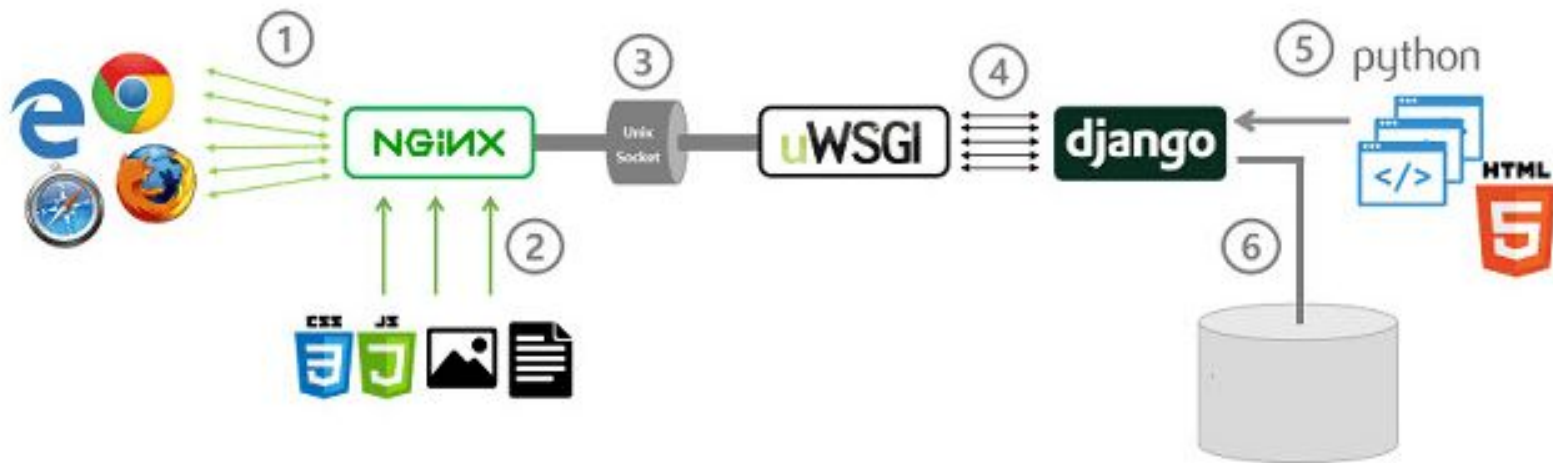
The purpose of security updates is to improve the performance, stability and security of applications. Software will be checked for updates at least once per month.



Monitoring

The purpose of monitoring is for constant attention and care of our product.

MAINTENANCE PLAN



Plan for furniture expansion

NGINX: Stabilising server by allocating different requests, sequence and directions.

Gunicorn: Making Django capable of dealing with many requests at a time.

Demonstration

URL of the web application:

<http://127.0.0.1:8000>

THANK YOU

Technology Enquiry Project_Group2
