

# Vigilant Safety Partner

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# Overview

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# Introduction

- An Application for fire and safety department to track the safety workers and the device capacity the pressure and density of the breathing apparatus attached with the workers are monitored through the application.
- A warning is send to the officer when the air pressure is reduced to low in the apparatus.
- Final report and details of mission are also provide.

# Existing System

- In the current scenario the data are entered manually.
- The workers have to fill up a form and officer have to calculate the minimum leaving time manually.
- Forms include important information like name, ID, cylinder pressure, location, time in, time of whistle and a part for emergency team.
- When the particular time period has exceeded, the officer call back them.

# Proposed System

- Registration of workers.
- Workers can enable their presence status.
- Details of the workers can be recorded using application.
- Can control the workers who are assigned for mission, by setting a alarm in application.
- The lasted time of device capacity is calculated.
- Emergency team can be assigned their turn, before they present in the job site.

# Modules

## ADMIN MODULE

- App Splash screen
  - It is a home screen for the application.
- Add New Officers
  - Admin can approve registration request of workers.
- Import Mission Details To Excel Sheet
  - Admin can import the details of created mission.

- Create New Mission And Add Workers ToTthe Mission
  - Admin can create new mission and can add the workers who are updated their presence status as available, to the newly created mission.
- Inform Mission Details
  - Admin can inform mission details to workers who are added to newly created mission.
- Setting Emergency Team
  - Admin can assign a group of workers for emergency situation . It can informed through notification before starting a mission.

## WORKERS MODULE

- Registration
  - Workers can register their details and login with created password and user id.
- View Created Mission
  - Workers can view created mission by officers.



- Can Update Presence Status
  - Workers can update their availability status, to know whether they are present or not.
- Export Mission Details From Excel
  - Workers can export mission details from excel sheet.

## MISSION MODULE

- Count Down Timer Of Mission
  - Count down the time till the allocated time expires.
- Call Back Officers
  - Call back the officers when the allocated time ended .

- Export Mission Details to Excel
  - We can export the mission details to excel sheet.
- View Old Mission Details
  - View old mission details when needed.

# Table Design

- Login

Feild Name	Data Type	Size	constraint
id	varchar	15	Primary Key
user_name	varchar	15	
password	varchar	50	
user_type	int	50	

Table: Login\_table

# Table Design...

- Workers Information

Feild Name	Data Type	Size	constraint
worker_id	varchar	15	Primary Key
name	varchar	50	
designation	varchar	15	
joining_date	date	50	
experience	varchar	15	
date_of_birth	int	50	
gender	varchar	15	
creation_date	date	50	

Table: Workers\_Information\_table

# Table Design...

- Presence status

Feild Name	Data Type	Size	constraint
avail_id	varchar	5	primary key
worker_id	varchar	50	Foreign Key
time	varchar	50	
date	date	50	
status	varchar	50	

Table: Presence\_Status\_table

# Table Design...

- Task

Feild Name	Data Type	Size	constraint
task_id	int	5	Primary Key
work_id	int	5	Foreign Key
location	varchar	50	
number_of_cylinders	int	15	
action_required	varchar	5	
time	varchar	50	
date	date	15	
contact_informaion	varchar	15	

Table: Task\_table

# Table Design...

- Allocation

Feild Name	Data Type	Size	constraint
allocation_id	varchar	5	Primary Key
worker_id	varchar	50	Foreign key
task_id	varchar	50	Foreign key
allocated_time	varchar	50	
creation_date	date	50	

Table: Allocation\_table



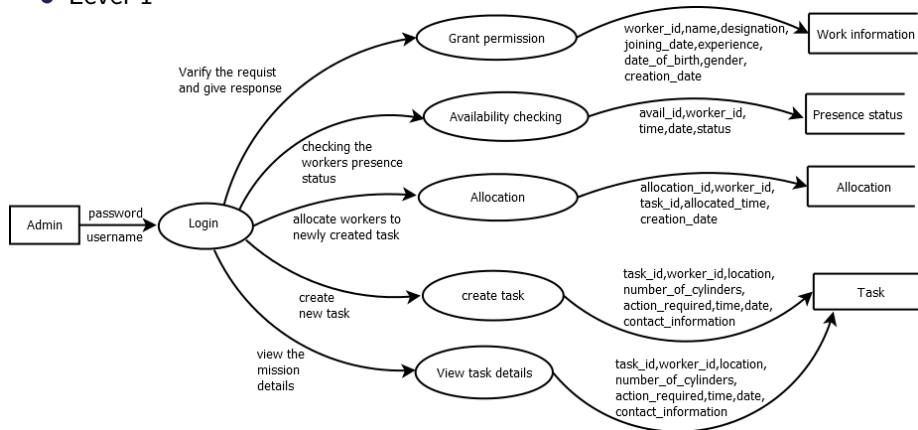
# Data Flow Diagram

- Level 0



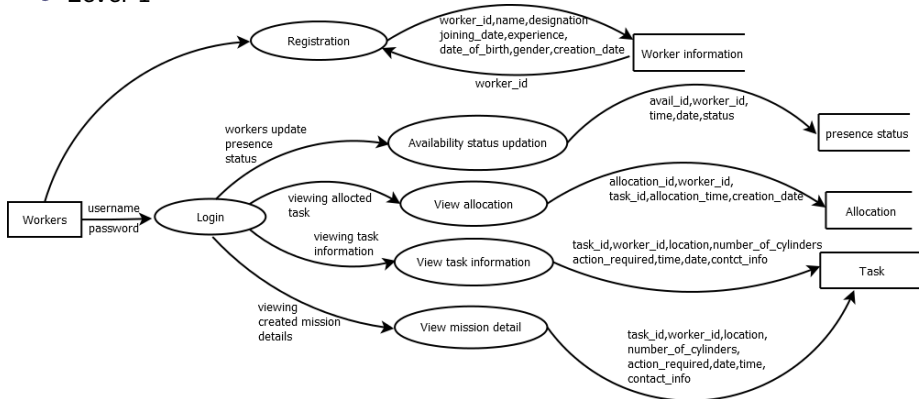
# Data Flow Diagram...

## Level 1



# Data Flow Diagram....

## Level 1



# Product Backlog

Sl.No	Description	Priority
1	Registration	high
2	Enabling presence status	high
3	Add new workers	low
4	Create new mission	high
5	Emergency team assigning	low
6	Inform using alert	high
7	Automatic timer setting	high
8	Export mission details to excel	low
9	Import mission details from excel	low

# Sprint Backlog

Sl.no	Date	Task	st
1	16-03-21 To 21-03-21	Find out suitable project	Com
2	22-03-21 To 28-03-21	Requirement Gathering	Com
3	29-03-21	Discussed about requirements	Com
4	30-03-21 To 06-04-21	Detailed Discussion	Com
5	07-04-21 To 12-04-21	Discussion Modules	Com
6	13-04-21 To 20-04-21	Table Designing	Com
7	21-04-21 To 25-04-21	DFD	Com
8	26-04-21 To 21-05-21	UI Designing	Not C

# Hardware and Software Specifications

- Hardware Specifications
  - Windows 10
  - 32-bit or 64-bit
  - 4 GB Ram
  - Intel/AMD @2.0 GHz
- Software Specifications
  - Android , React-native
  - Oracle as Back End

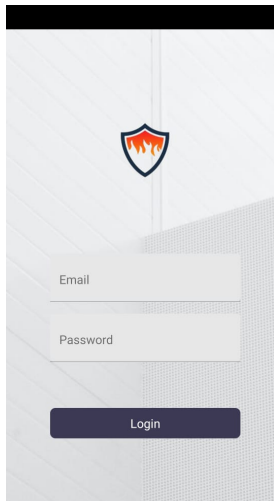
# Design of Application

Figure: Flash screen page



# Design of Application...

Figure: Login Page

The image shows a mobile application login screen. At the top is a solid black header bar. Below it is a light gray background with a subtle diagonal line pattern. In the center, there is a shield-shaped logo with a blue outline and orange and yellow flame-like details. Below the logo are two white input fields with gray borders. The first field is labeled 'Email' and the second is labeled 'Password'. Below these fields is a dark blue rectangular button with the word 'Login' in white text. At the bottom of the screen, there is a navigation bar with several small, light blue icons for navigation and search.



# Design of Application....

Figure: Sign Up page

First Name

Last Name

Email

Address

Phone number

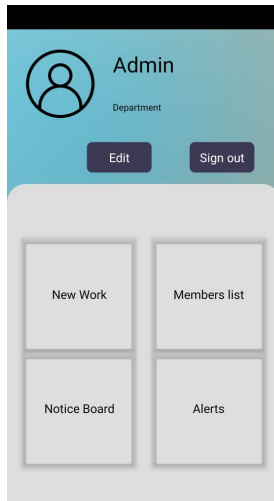
Password

Re-enter password

Sign up Cancel

# Design of Application....

Figure: Admin Page



# Design of Application....

Figure: Work Page

Work Type

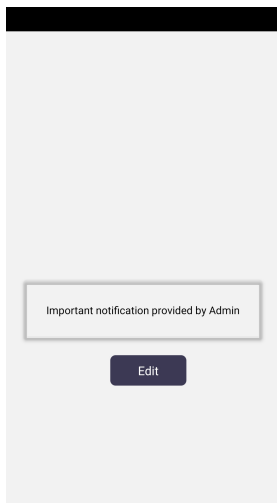
Details

Destination

Next

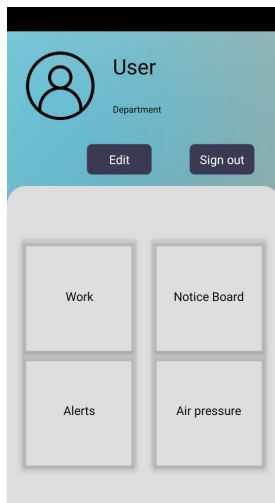
# Design of Application....

Figure: Notification admin Page



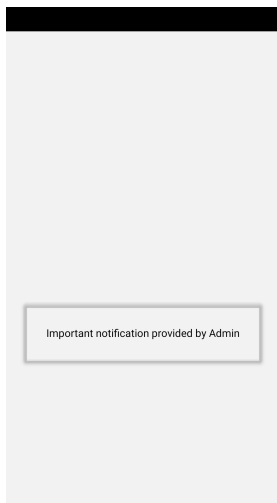
# Design of Application....

Figure: User page



# Design of Application....

Figure: User notification page



# Git Screenshots

The screenshot shows a web browser with three tabs: 'Inbox (986) - alphyatbaby@gmail', 'Commits · Alphyaaalphy/Ba\_Board', and 'mainprojppt - Online LaTeX Editor'. The address bar shows the URL 'github.com/Alphyaaalphy/Ba\_Board/commits/main'. Below the browser, the GitHub repository page for 'Alphyaaalphy / Ba\_Board' is displayed. The navigation bar includes links for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'main' branch is selected. The commit history for 'Mar 29, 2021' is shown, listing two commits: 'firstcommit' and 'Initial commit', both committed by 'Alphyaaalphy' 1 hour ago.

Inbox (986) - alphyatbaby@gmail x Commits · Alphyaaalphy/Ba\_Board x mainprojppt - Online LaTeX Editor x +

github.com/Alphyaaalphy/Ba\_Board/commits/main

Apps Gmail YouTube Maps

Search or jump to... / Pull requests Issues Marketplace Explore

Alphyaaalphy / Ba\_Board

<> Code ! Issues ? Pull requests ? Actions ? Projects ? Wiki ? Security ? Insights ? Settings ?

main

Commits on Mar 29, 2021

**firstcommit**  
Alphyaaalphy committed 1 hour ago

**Initial commit**  
Alphyaaalphy committed 1 hour ago

# Git Screenshots....

mainprojppt - Online LaTeX Editor x | (no subject) - alphyatbaby@gmail.com x | Alphyaaalphy/vigilant-safety-partner x +

github.com/Alphyaaalphy/vigilant-safety-partner

Apps Gmail YouTube Maps

Search or jump to... / Pull requests Issues Marketplace Explore

Alphyaaalphy / vigilant-safety-partner

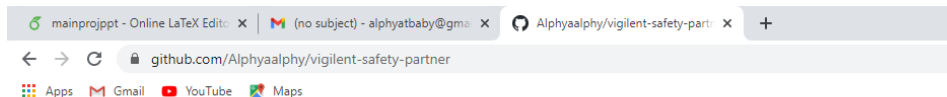
<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file +

File	Commit	Time
Alphyaaalphy Add files via upload	cd557f1	11 hours ago
Alphyaaalphy_mainproj_abstrct (1).pdf	firstcommit	2 months
README.md	Initial commit	2 months
admin1.png	Add files via upload	12 hours

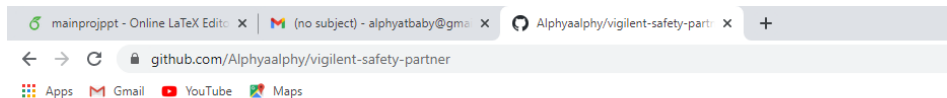














# Git Screenshots....



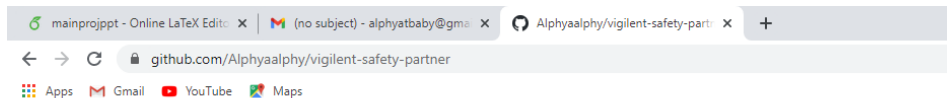
	README.md	Initial commit	2 months
	admin1.png	Add files via upload	12 hours
	admin2.png	Add files via upload	12 hours
	admin3.png	Add files via upload	12 hours
	admin4.png	Add files via upload	12 hours
	admin5.png	Add files via upload	12 hours
	login1.png	Add files via upload	12 hours
	login2.png	Add files via upload	12 hours
	login3.png	Add files via upload	12 hours
	login4.png	Add files via upload	12 hours
	mbrlist1.png	Add files via upload	12 hours
	mbrlist2.png	Add files via upload	12 hours












# Git Screenshots....



	signup1.png	Add files via upload	12 hours
	signup2.png	Add files via upload	12 hours
	signup3.png	Add files via upload	12 hours
	signup4.png	Add files via upload	12 hours
	signup5.png	Add files via upload	12 hours
	table1.png	Add files via upload	11 hours
	table2.png	Add files via upload	11 hours
	table3.png	Add files via upload	11 hours
	table4.png	Add files via upload	11 hours
	table5.png	Add files via upload	11 hours
	user1.png	Add files via upload	12 hours
	user2.png	Add files via upload	12 hours

# Git Screenshots....



	signup4.png	Add files via upload	12 hours
	signup5.png	Add files via upload	12 hours
	table1.png	Add files via upload	11 hours
	table2.png	Add files via upload	11 hours
	table3.png	Add files via upload	11 hours
	table4.png	Add files via upload	11 hours
	table5.png	Add files via upload	11 hours
	user1.png	Add files via upload	12 hours
	user2.png	Add files via upload	12 hours
	user3.png	Add files via upload	12 hours
	user4.png	Add files via upload	12 hours

# Conclusion

- Going to introduce an app with more efficient. This help the employees and the highers to activate their purpose in an incredible speed by making less stress on time.
- Goal : Point to implement an app with more importance on convenience.

*Thank You*