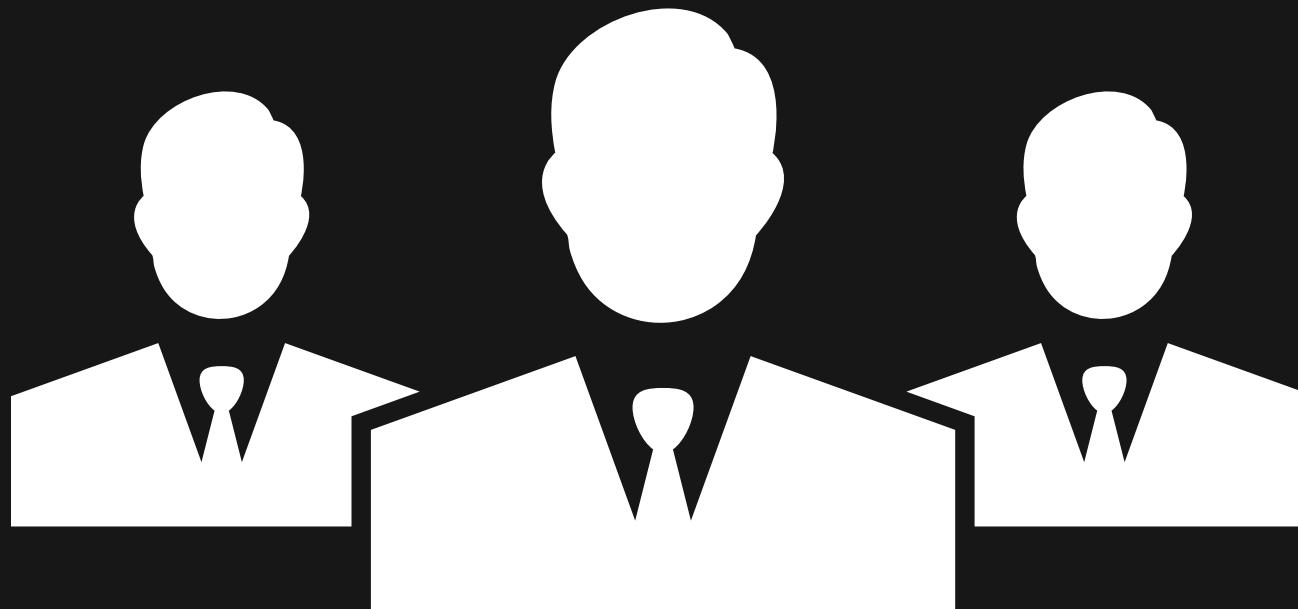


# VIRGIN HYPERLOOP

TEAM: LEVITATION

# LEVITATION MEMBERS



**Abhishek Yadav**

“In order to be irreplaceable, one must always be different”



**Subha Bal Pal**

“Solving complexity is the essence of programming”



**Shubhanshu Tiwari**

“Design is not a thing you do, its a way of life”

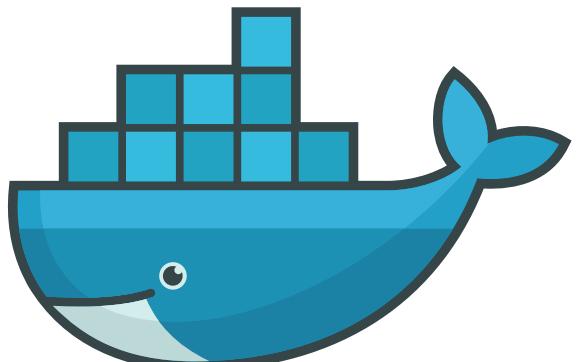


# LEVITATION : WEB APP

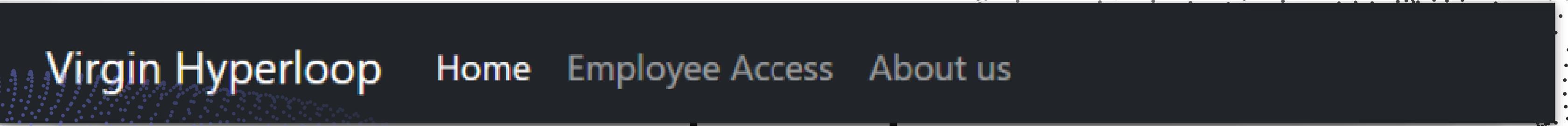


**Team Levitation is glad to present "Web Application"  
a tool i.e. required to manage passenger flow in a  
hyperloop portal while maintaining targets for level  
of service and passenger experience**

**Web application is created by "Docker" as it is an  
open platform for developing and running application**



# NAVBAR

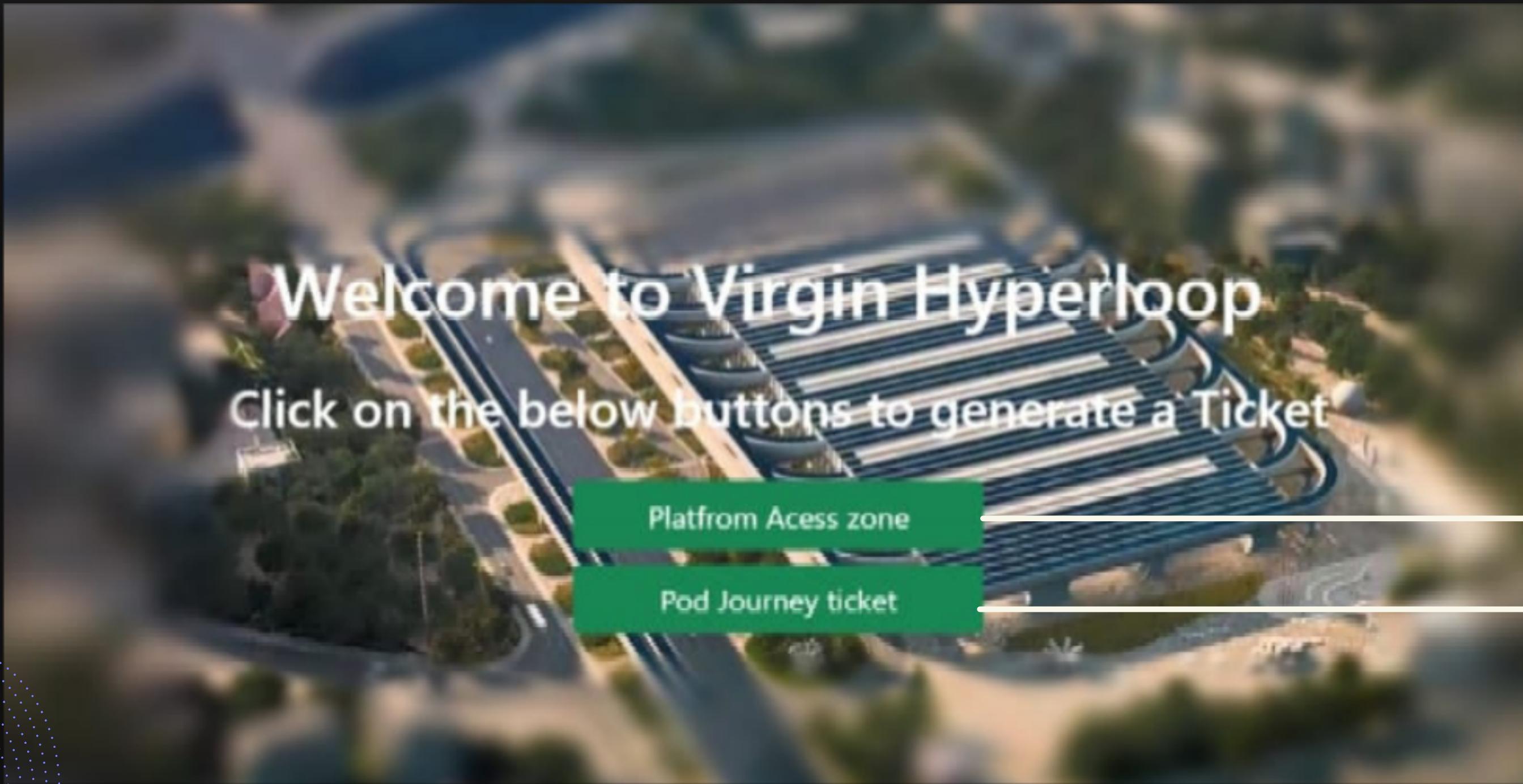


Home page will re direct  
the customer to the welcome page of  
web application

Employee Access is especially for  
the operator with password  
protection

About us page consists of more  
information about Virgin Hyperloop  
and Levitation

# HOME



This directs customer to receive their passenger

Customers book ticket for their journey.





# EMPLOYEE ACCESS

**Login**

Username  
levitation

Password  
.....

**Login**



**Welcome to Employee Access zone**

**POD BAY DAMAGE**

**PLATFORM SELECTOR**

**PASSENGERS DATA**

**RECIEVERS DATA**

After logging into the EMPLOYEE ACCESS [Username : levitation ; Password : 222553] the employee can see the data stored and can manage the pods and pod bays .

# POD BAY MANAGEMENT



Welcome to Employee Access zone

- [POD BAY DAMAGE](#)
- [PLATFORM SELECTOR](#)
- [PASSENGERS DATA](#)
- [RECIEVERS DATA](#)

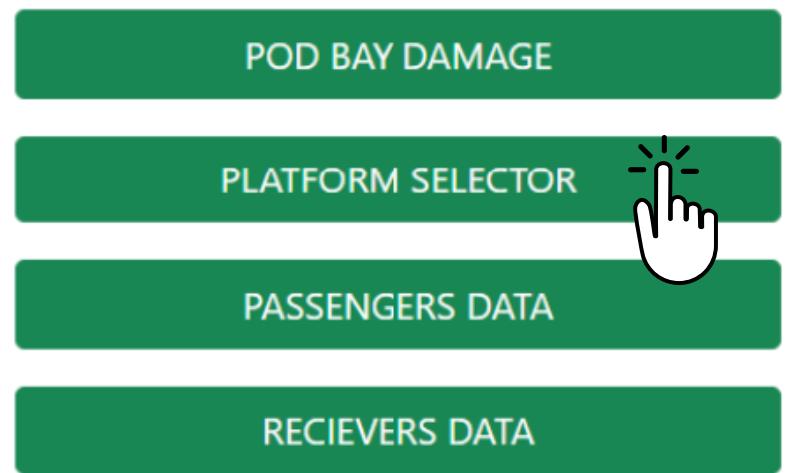
Click on the Pod Bay Number which is damaged

A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6		
E1	E2	E3	E4	E5	E6	F1	F2	F3	F4	F5	F6	G1	G2	G3	G4	G5	G6	H1	H2	H3	H4	H5	H6		
I1	I2	I3	I4	I5	I6	J1	J2	J3	J4	J5	J6	K1	K2	K3	K4	K5	K6	L1	L2	L3	L4	L5	L6		
M1	M2	M3	M4	M5	M6																				

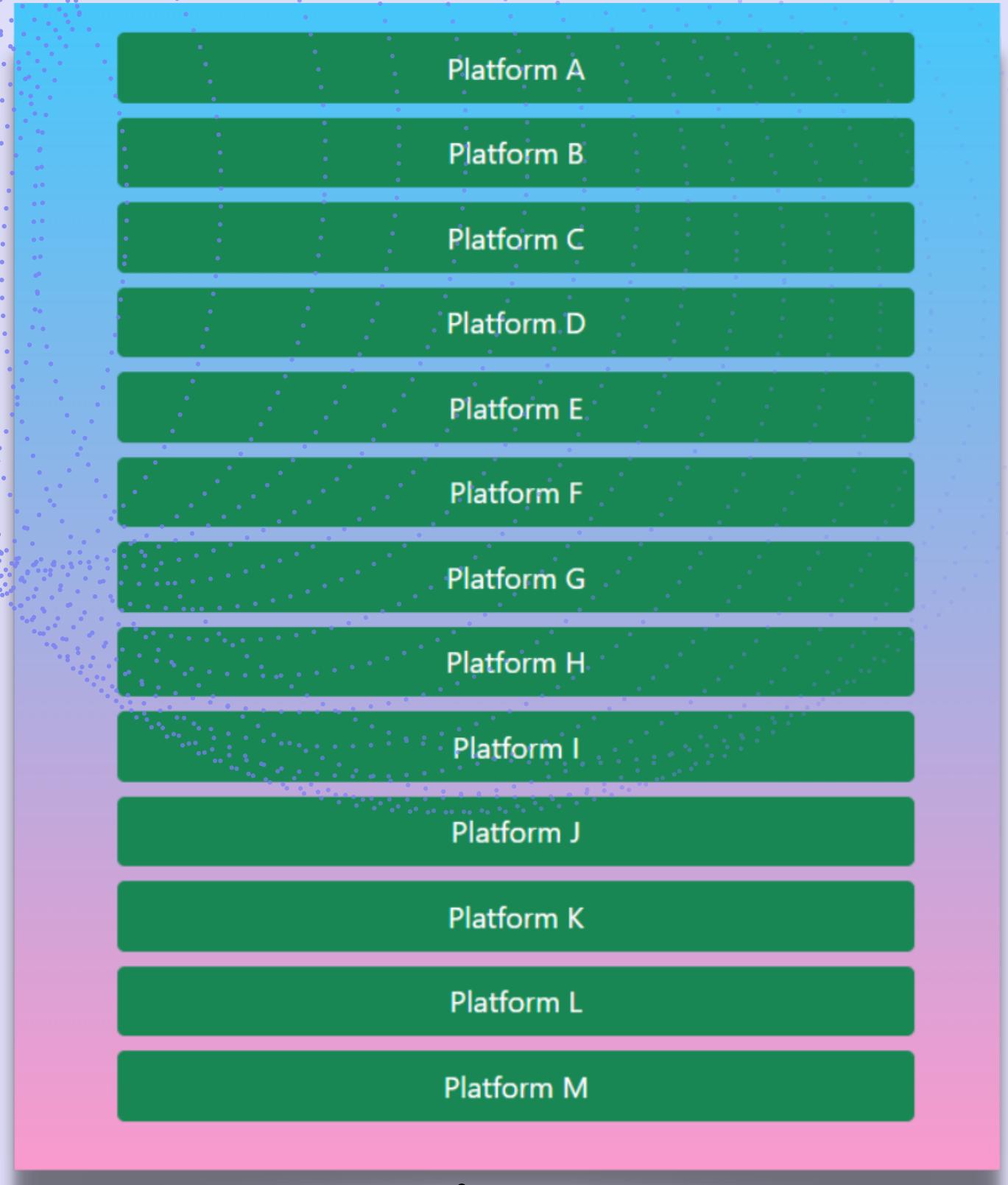
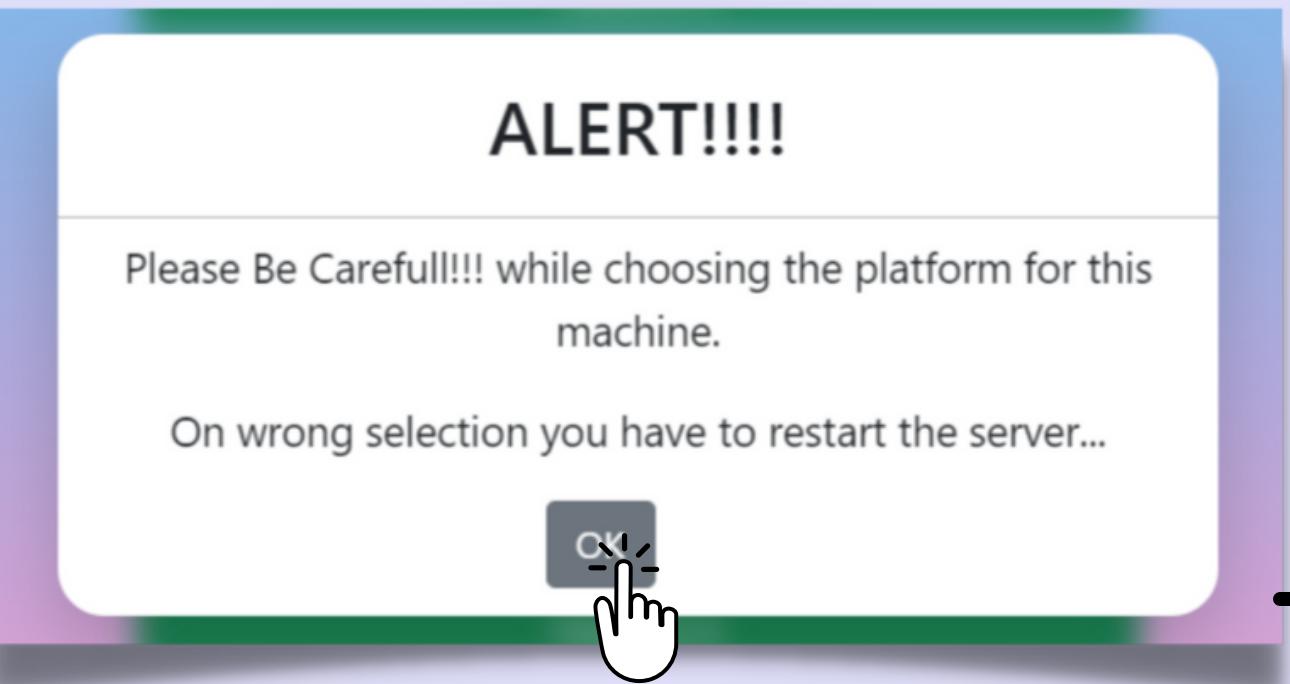
After clicking "Pod bay damage" option the employee can choose the pod bays which got damaged so that system will stop allotting that pod bay to the passenger.

# SELECTING PLATFORM

Welcome to Employee Access zone



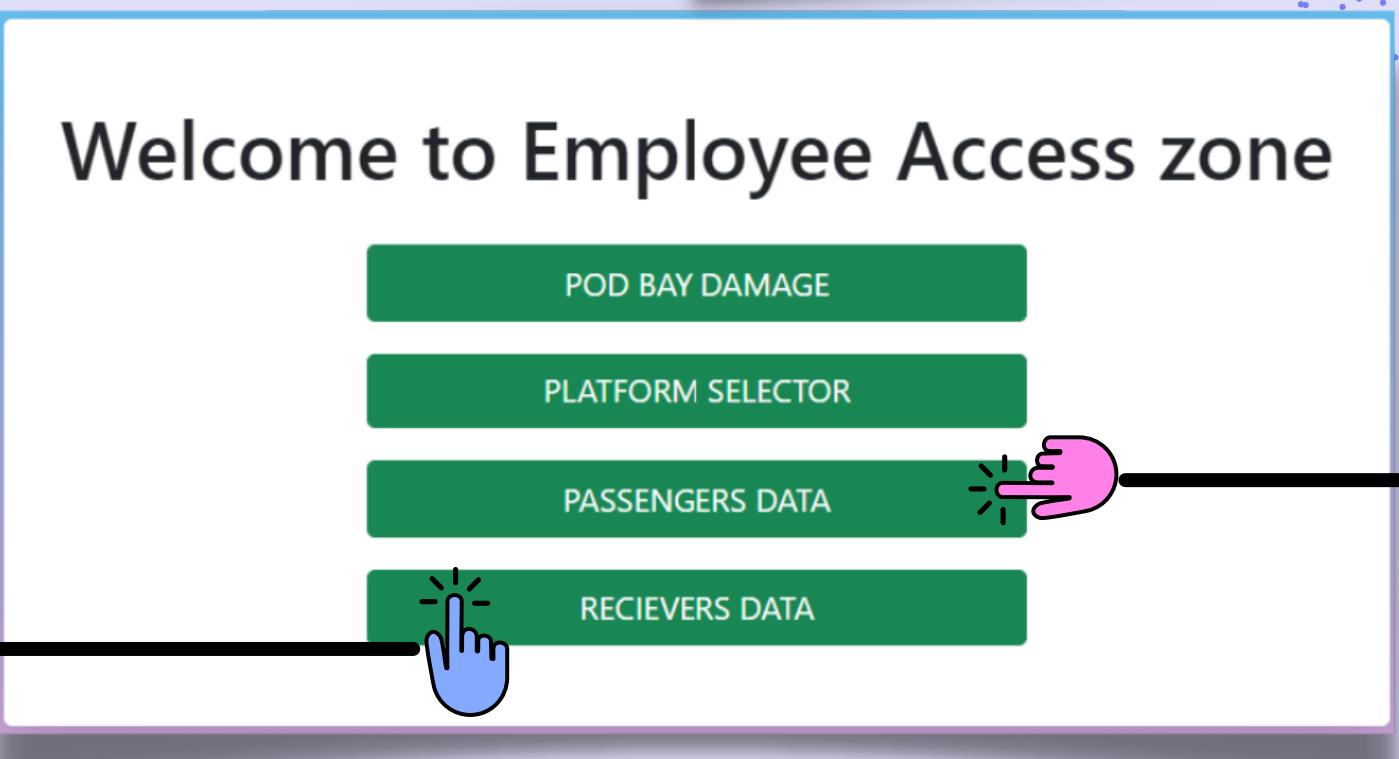
After clicking "Platform Selector" option the employee can choose which platform should be assigned to the respective machine.



# ACCESSING DATA

After clicking the "Receivers Data" option, the employee can get the data of receivers .

RECEIVERS DATA				
DATE	NAME	AGE	MOBILE	TIME
25 01 2022	Arun Singh	31	6541498351	17:57:19
25 01 2022	Vipin kumar	26	8658971274	17:58:17
25 01 2022	Rajeev Kumar	23	9542113654	17:58:45



PASSENGERS DATA								
DATE	NAME	AGE	MOBILE	DESTINATION	POD_BAY	NO. OF SEATS	TIME	Refresh Page
25-1-2022	Ranjeet Kumar	29	9024632578	Mumbai	A1	3	17:49:18	
25-1-2022	Mahesh Singh	32	9415412454	Mumbai	A1	4	17:49:55	
25-1-2022	Ranjeet Kumar	29	9024632578	Mumbai	A1	3	17:49:18	

After clicking the "Passengers Data" option, the employee can get the data of passengers .

# PASSENGER BOOKING TICKET FLOW

**REGISTRATION**

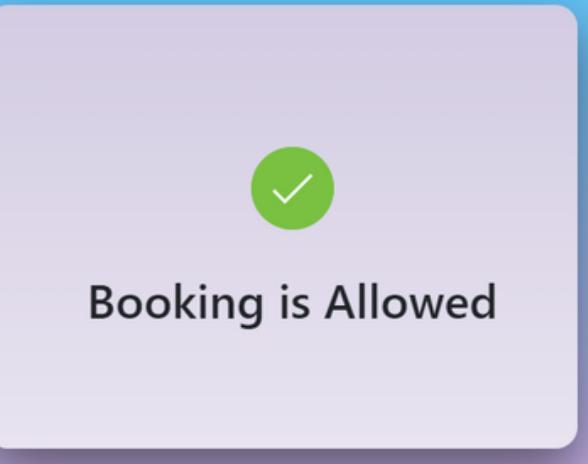
Customer Name\*  
Abhishek Yadav

Mobile Number\*  
6546546165

Enter your age\*  
19

Destination\*  
Mumbai

**Next**



**Congratulations on successfull registration**

Kindly select your seats

Available	Booked	Sold	Automatic Booked in:
1	1	1	0:02
1	1	1	
1	1	1	
1	1	1	
1	1	1	
1	1	1	
1	1	1	
1	1	1	

TOTAL AMOUNT:2500

**Submit**

Allotment system working

Thanks for booking your journey with VIRGIN HYPERLOOP

**Journey Ticket**

Hyperloop PNR:125687459

04:26 Departure 30 min 04:56 Arrival

Portal Assigned Date  
A2 01/27/2022

Seat Alloted Amount  
[9,12,13,16,17] 2500Rs.

Passenger Name  
Abhishek Yadav

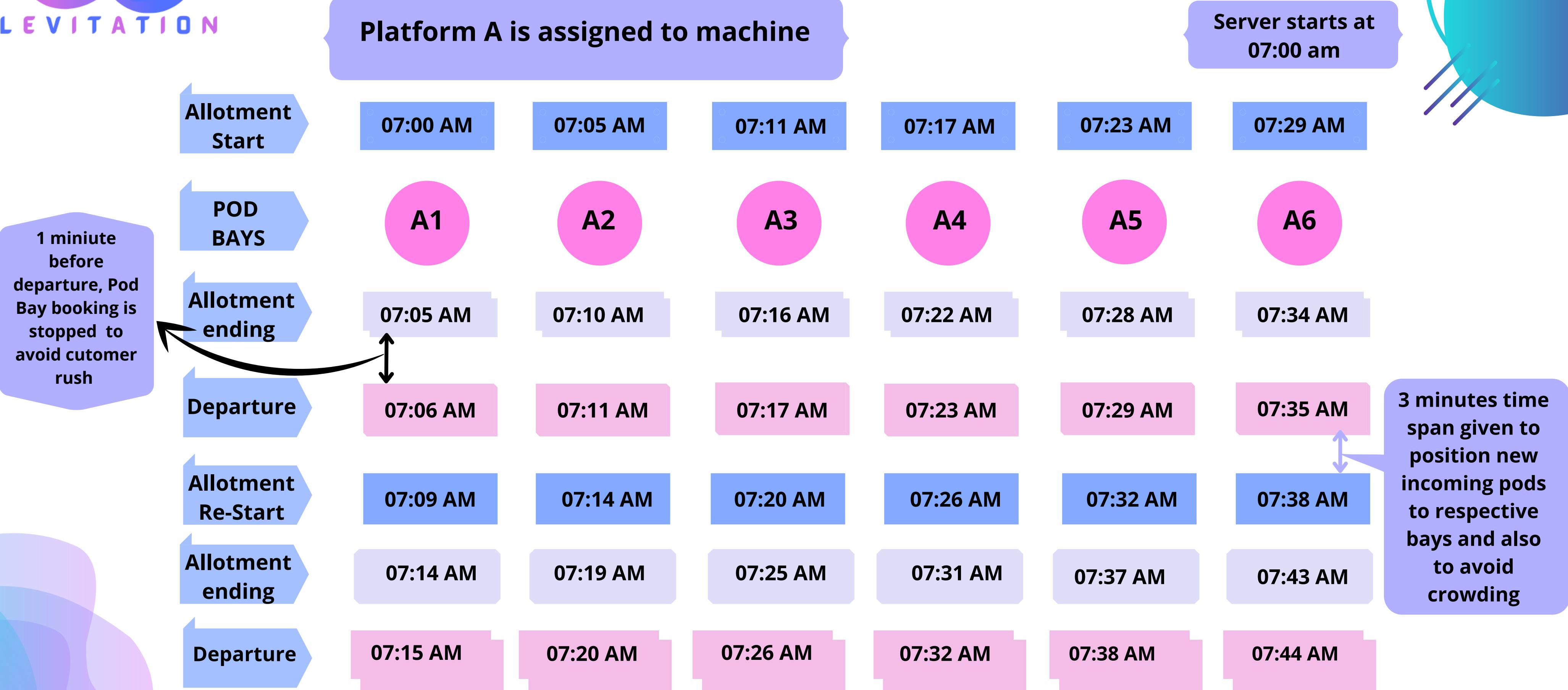
**Print Ticket**

**FINISH**





# ALLOTMENT SYSTEM WORKING

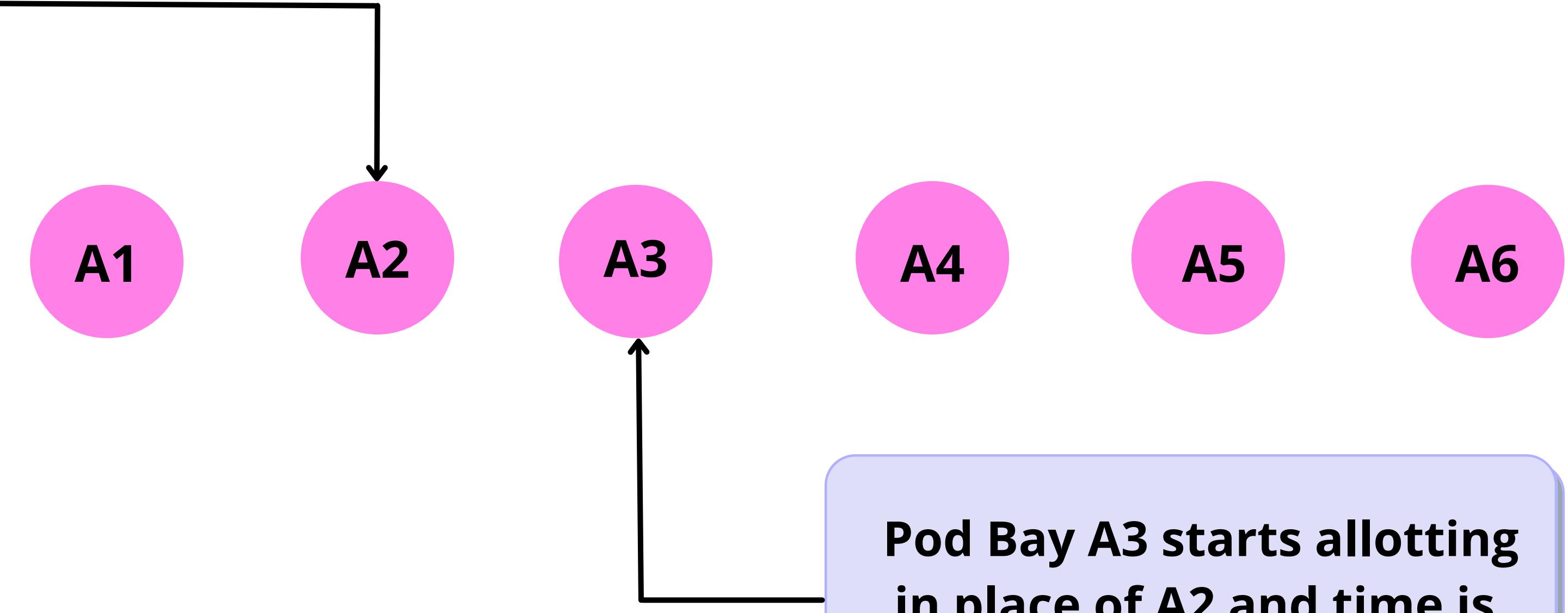




# POD BAY DAMAGE WORKING

System declares  
Pod Bay A2 got  
damaged

POD  
BAYS



Pod Bay A3 starts allotting  
in place of A2 and time is  
maintained

# LANGUAGES

Programming languages and framework used in making web application are :

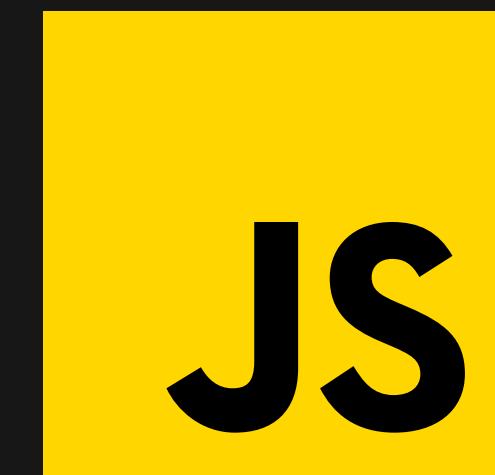
- Python
- HTML
- JAVASCRIPT
- CSS

- FLASK
- FLASK\_wtf
- JINJA
- PANDA
- AJAX
- Bootstrap

HTML



CSS





# CONCLUSION

Our Team LEVITATION feels glad to contribute idea of management for Virgin Hyperloop in INDIA for Mumbai-Pune route. We have analyzed and tried to give solutions for various problems which can occur during passengers journey. Passenger flow is prepared in such a way that no crowd gathering occurs. Our idea totally focuses on saving time of passengers and providing them comfort during their journey.



# LINKS

**GIT HUB REPO :** <https://github.com/mohit2pal/Levitation>

**HEROKU :** <https://levitation-web-app.herokuapp.com/>

## **DOCKER COMMAND:**

```
docker run -d -p 5000:5000 ghcr.io/mohit2pal/levitation:main
```

## **EXPLANATION VIDEO:**

<https://drive.google.com/file/d/1z59ay49vKQ-oSnTZPhQj5YjZv1yP5n82/view?usp=sharing>