Group 9

HR Management System





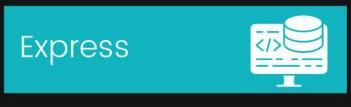
What we used



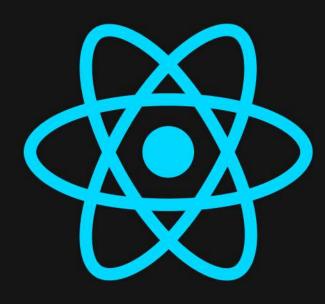


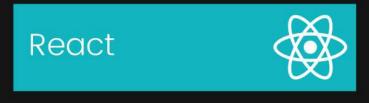
For Database





For Backend





For Frontend

Features



Storing Employee Details

Employees can view their details

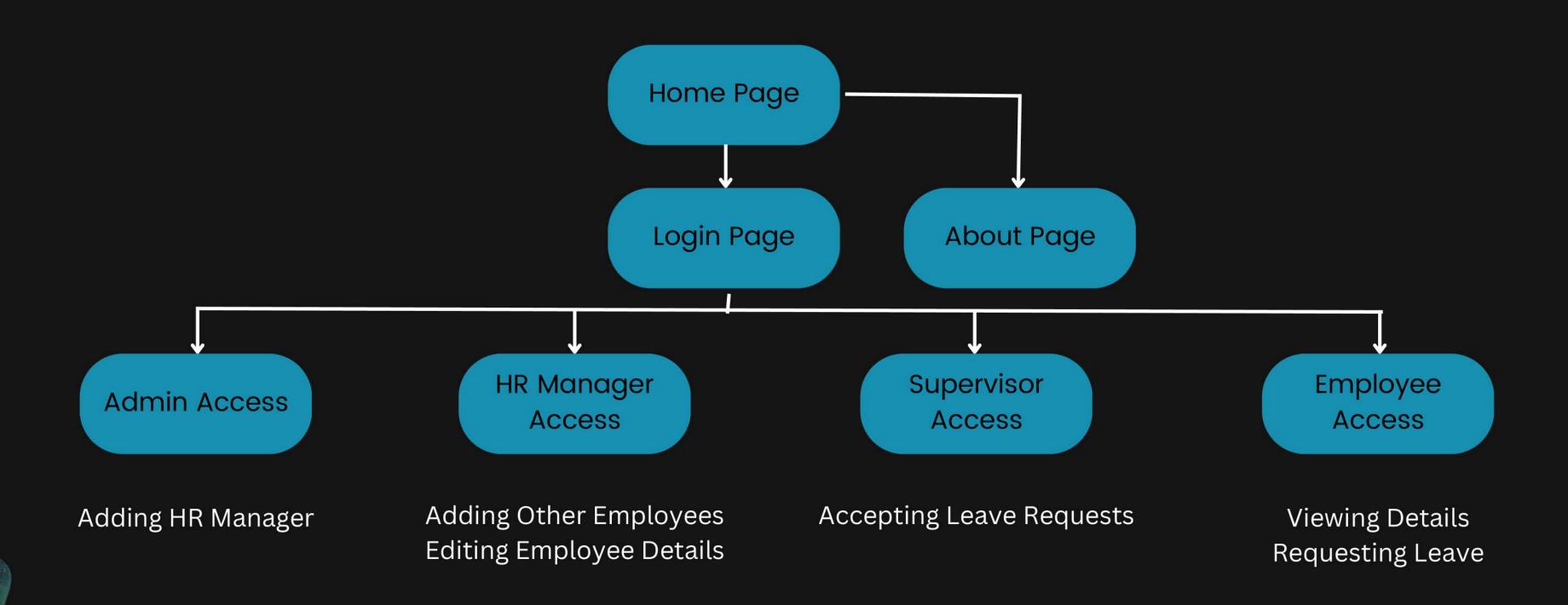
Admin User have privilage to Manage other users

Employees can request a leave

Supervisors can accept leaves

HR Manager can edit employee details

Flow







Home Page

Users can login to the system and go to see about details from this

About Page

i

This page is about the organization details and creators



Login Page

Employees can Login From this page

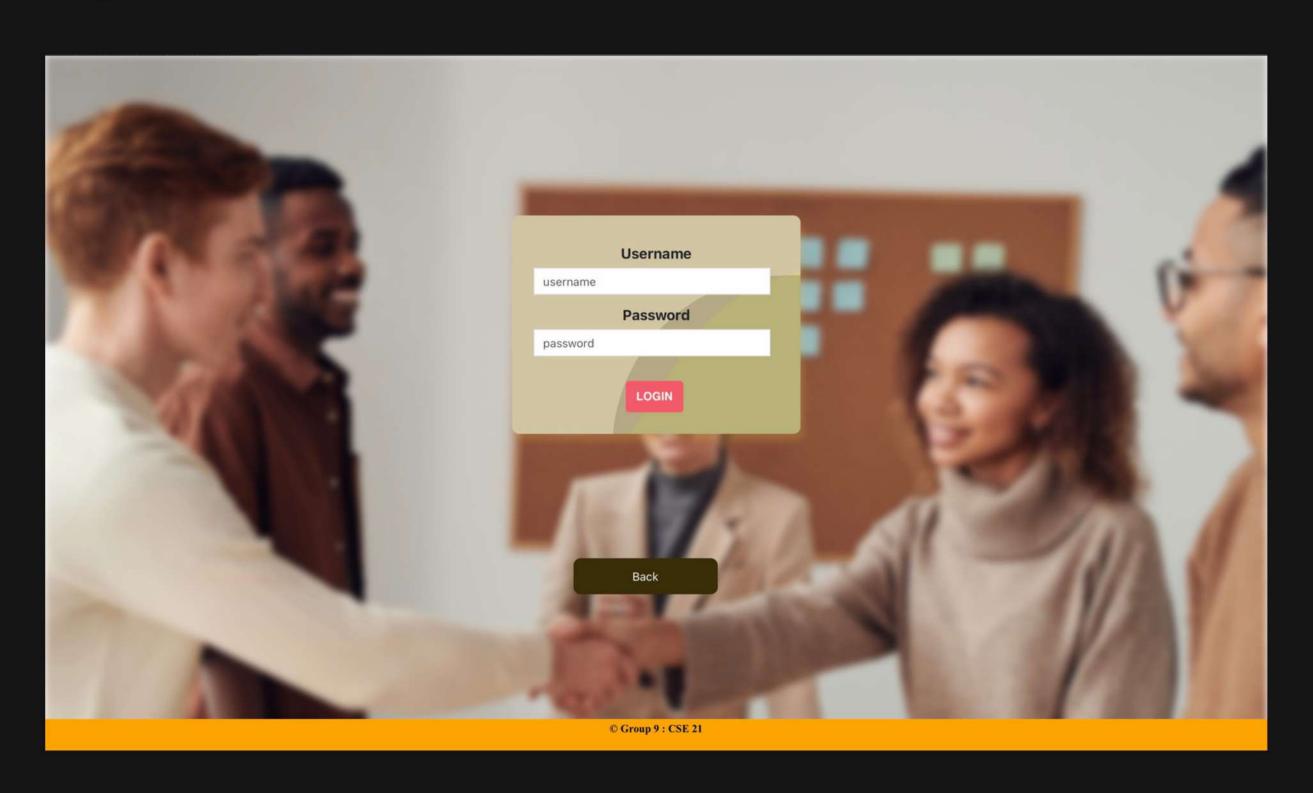


Admin Access

HR Manager Access

Supervisor Access

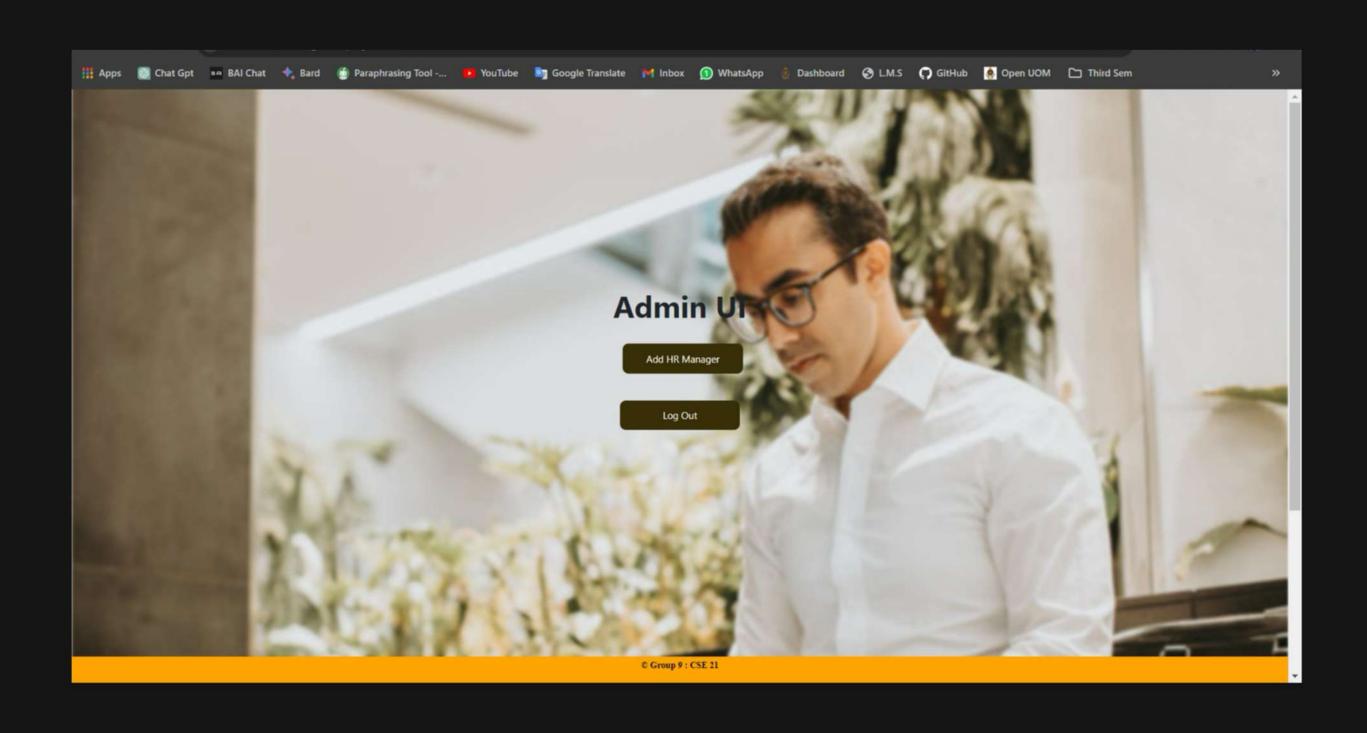
Employee Access



Admin Page

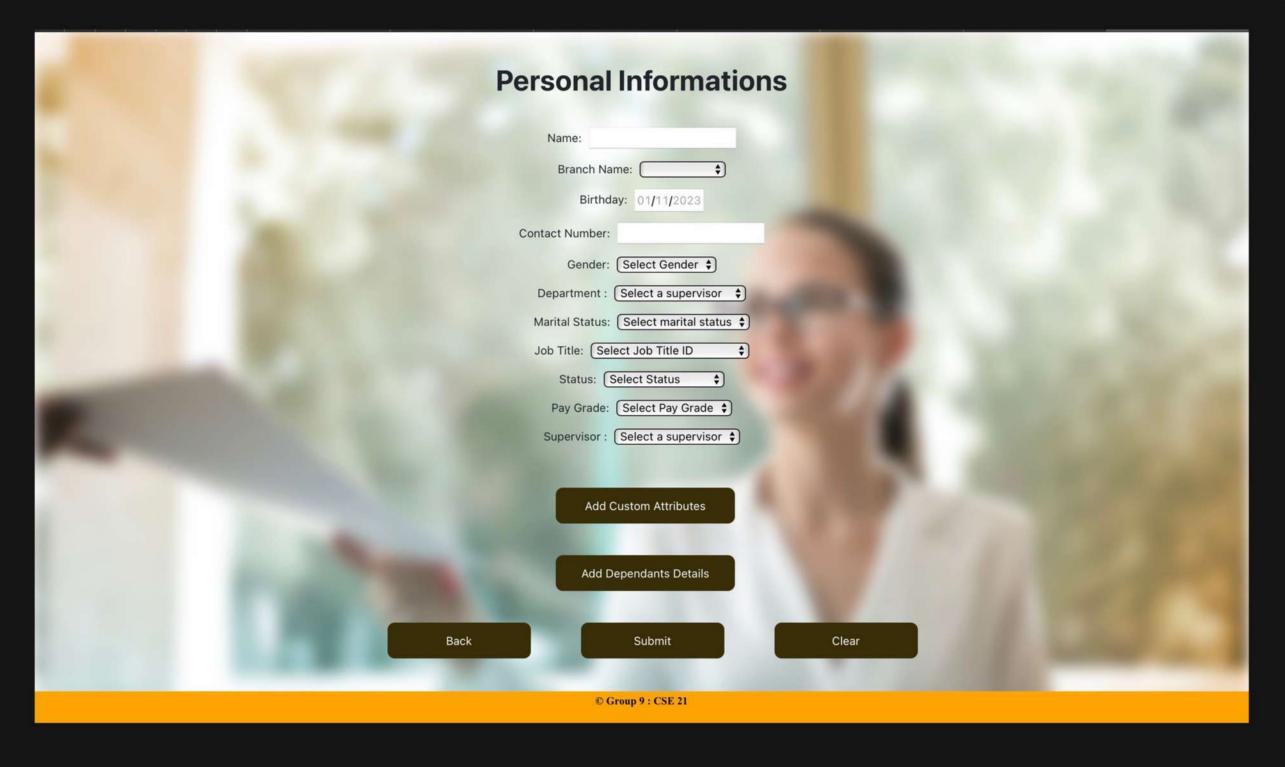
This page is for admin





Adding HR Manager

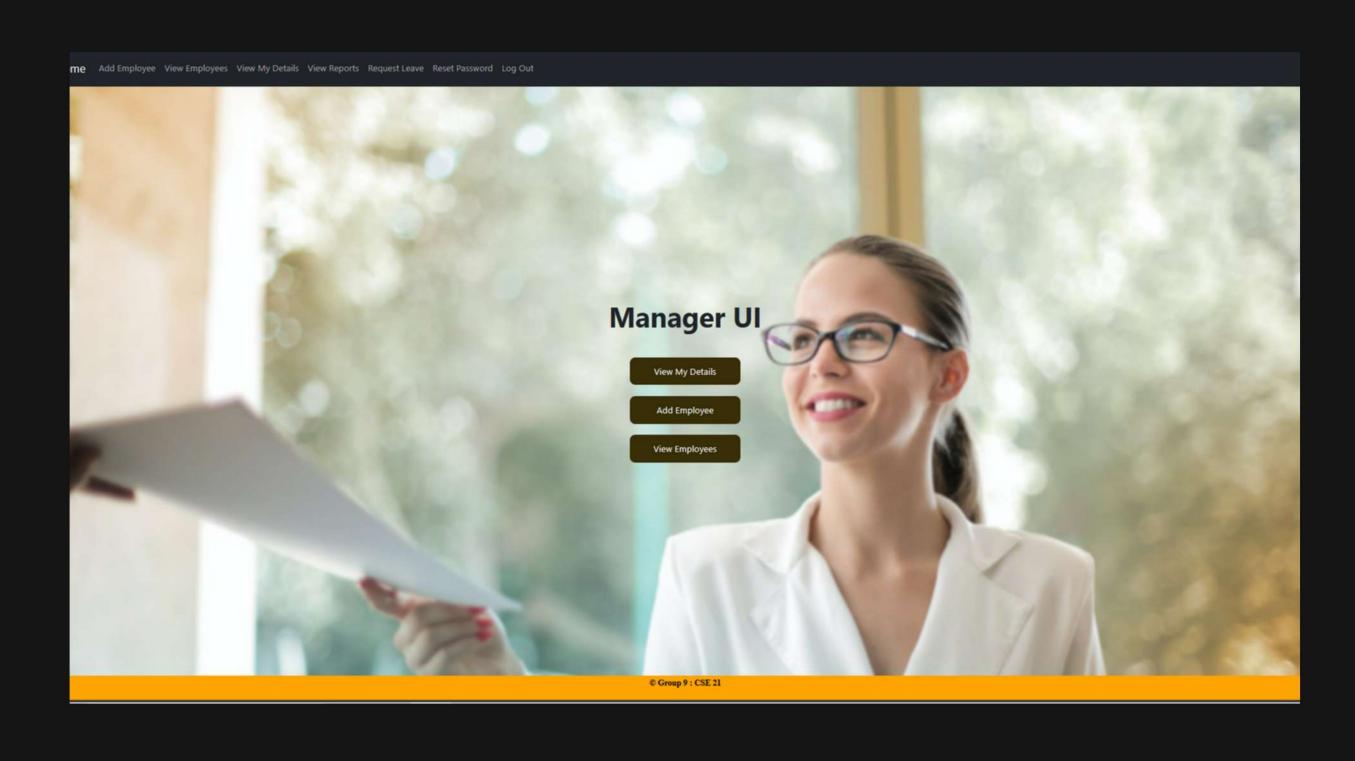
Admin can add HR Manager



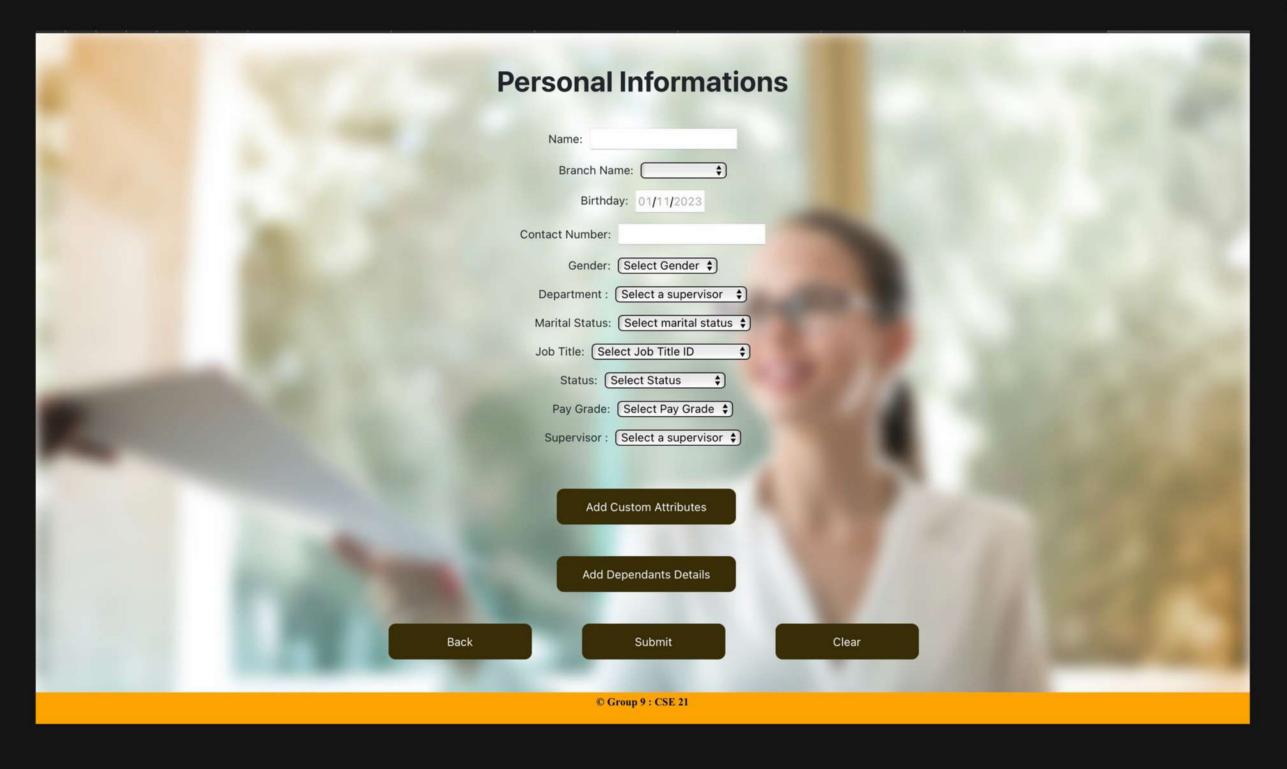


HR Manager Page





Adding New Employee





Adding Custom Attributes



	P	Personal Information	ns	
		Name:		
		Branch Name: 🗘		
		Birthday:		
		01/11/2023		
		Contact Number:		
		Gender: Select Gender \$		
		Department : Select a Department \$		
and the second		Marital Status: Select marital status \$		
The second second		Job Title: Select Job Title \$		
		Status: Select Status \$		
		Pay Grade: Select Pay Grade \$		
_		Supervisor : Select a supervisor \$		THE RESERVE TO SERVE THE PARTY OF THE PARTY
	Attribute:	Value:	Delete	
	Attribute:	Value:	Delete	
		Add Custom Attributes		
		Add Dependants Details		
	Back	Submit	Clear	
		© Group 9 : CSE 21		

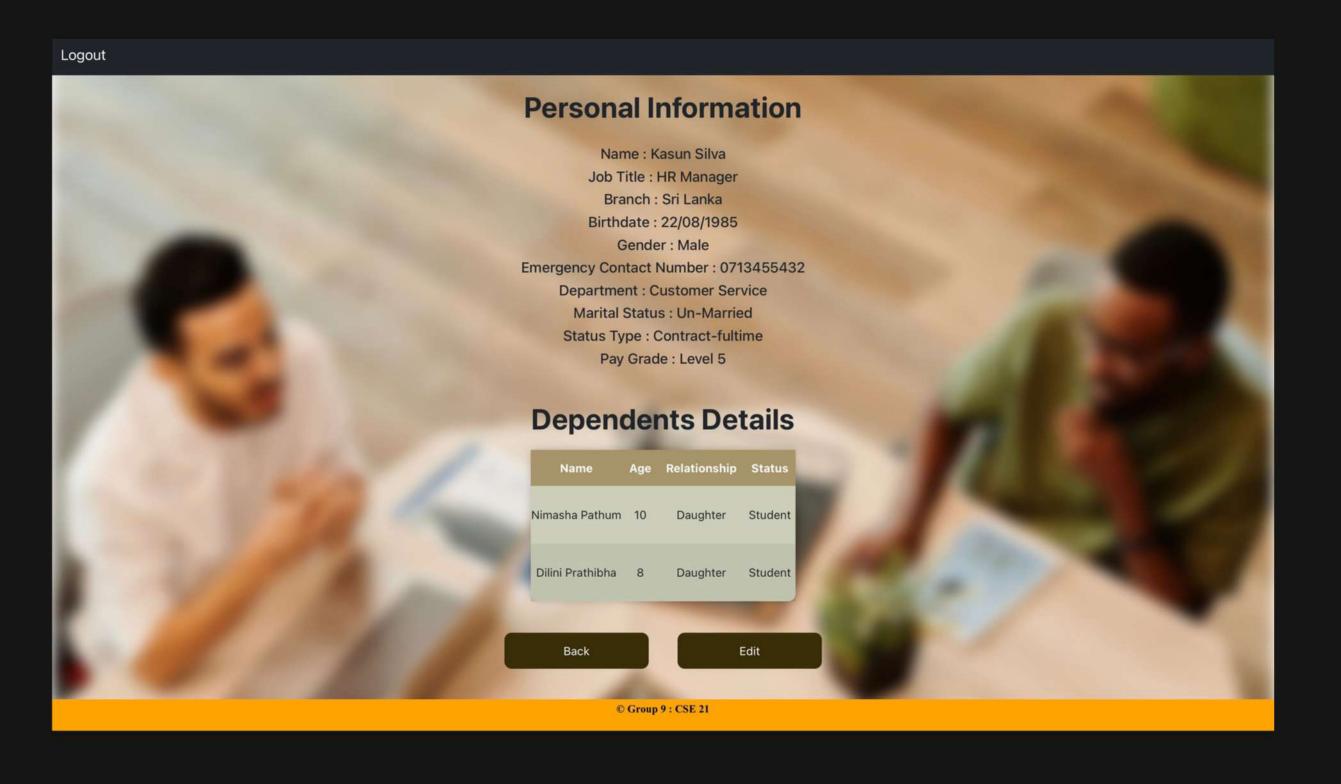
Adding Dependant Details



	Name:	
	Branch Name: 🗘	
	Birthday:	
	01 / 11 / 2023	
	Contact Number:	
	Gender: Select Gender \$	
	Department : Select a Department \$	
	Marital Status: Select marital status \$	
The second secon	Job Title: Select Job Title \$	
and the same of th	Status: Select Status \$	
	Pay Grade: Select Pay Grade \$	
	Supervisor : Select a supervisor \$	
	Add Custom Attributes	
Name:	Relationship: Select a Relationship \$ Age:	Status: Select a Status Delete
Name:	Relationship: Select a Relationship \$ Age:	Status: Select a Status Delete
Name:	Relationship: Select a Relationship \$ Age:	Status: Select a Status Delete
	Add Dependants Details	
	Back Submit	Clear
	© Group 9 : CSE 21	

Personal Information Page

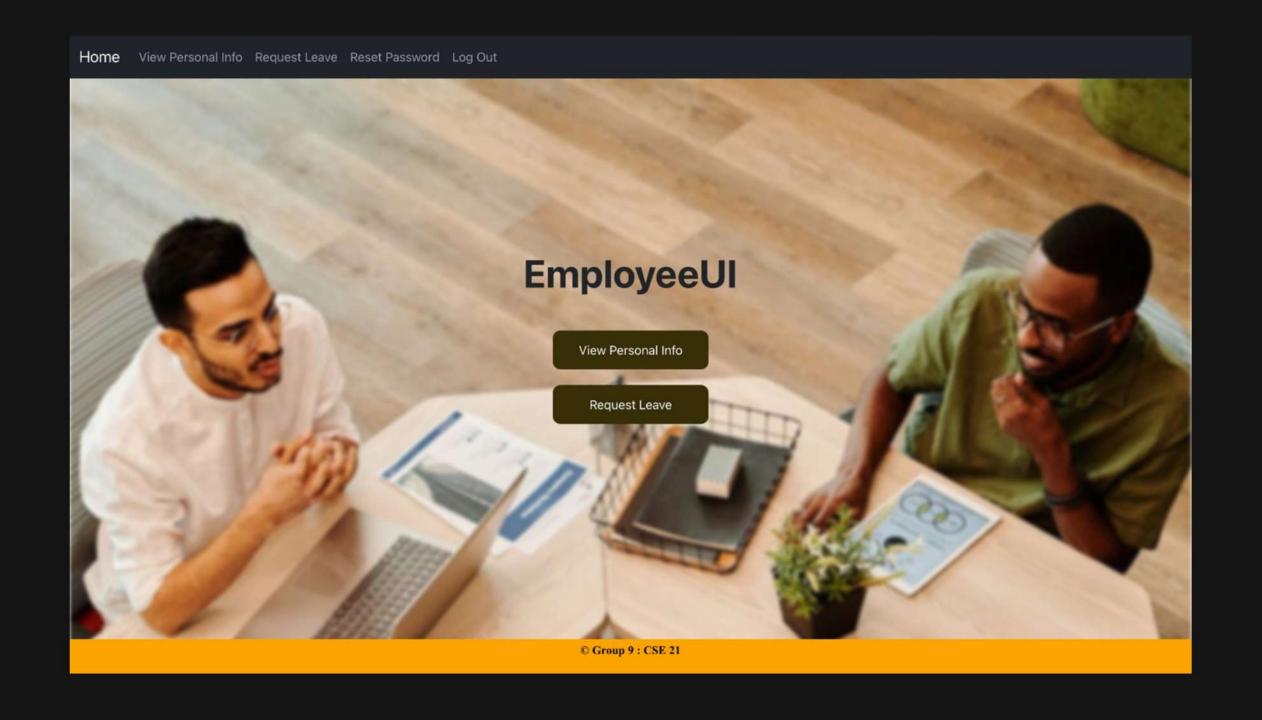
This page is for HR Manager to view and edit employee details





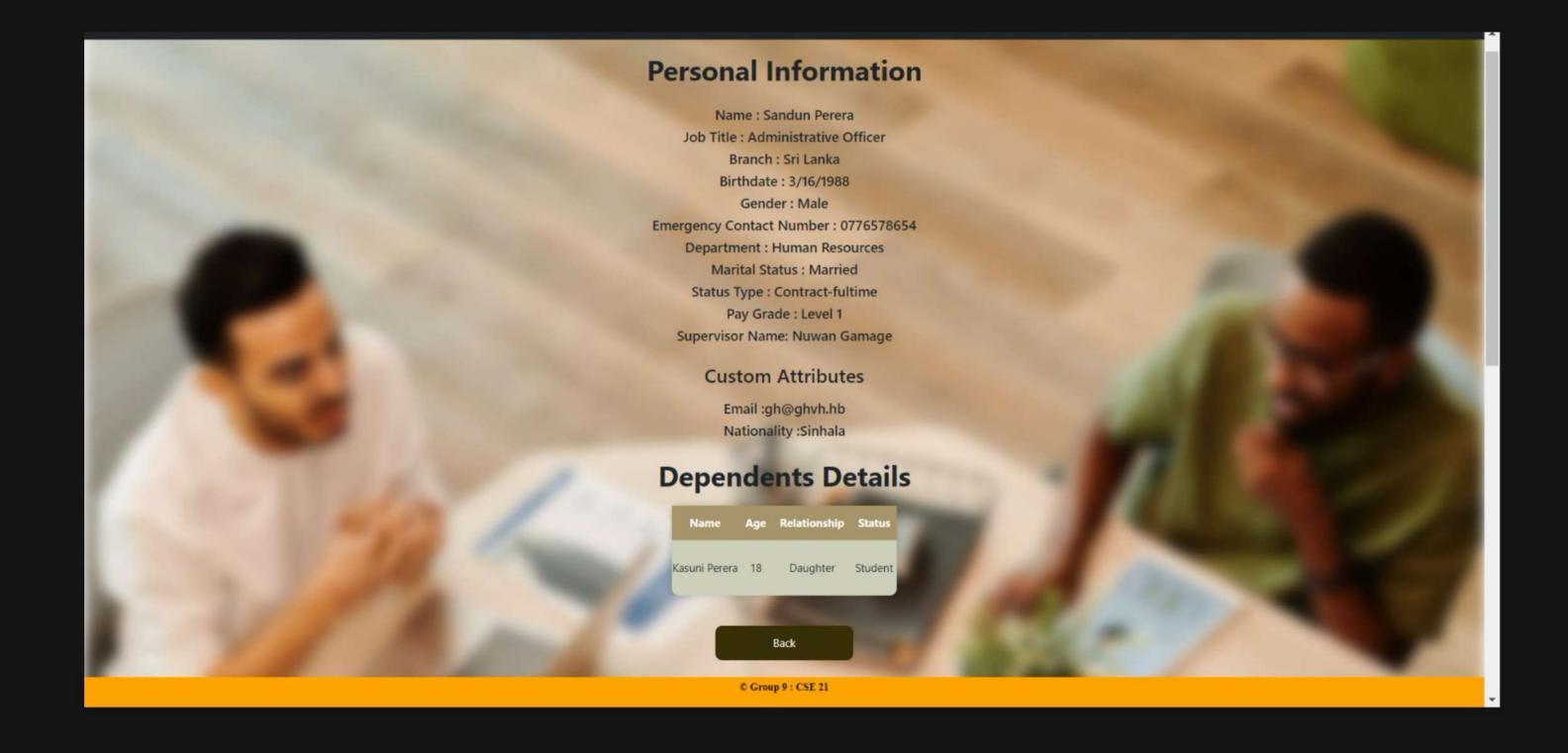
Employee Page

This page is for Employee



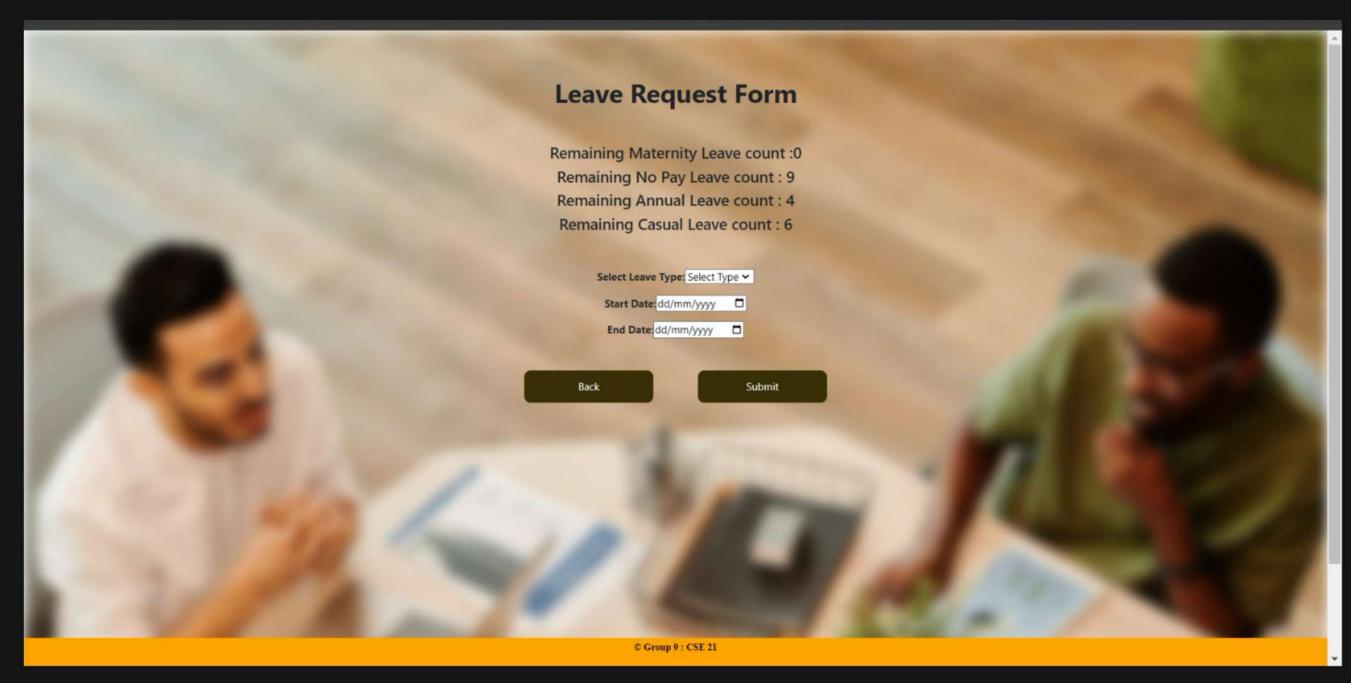


Employees can view personal Info



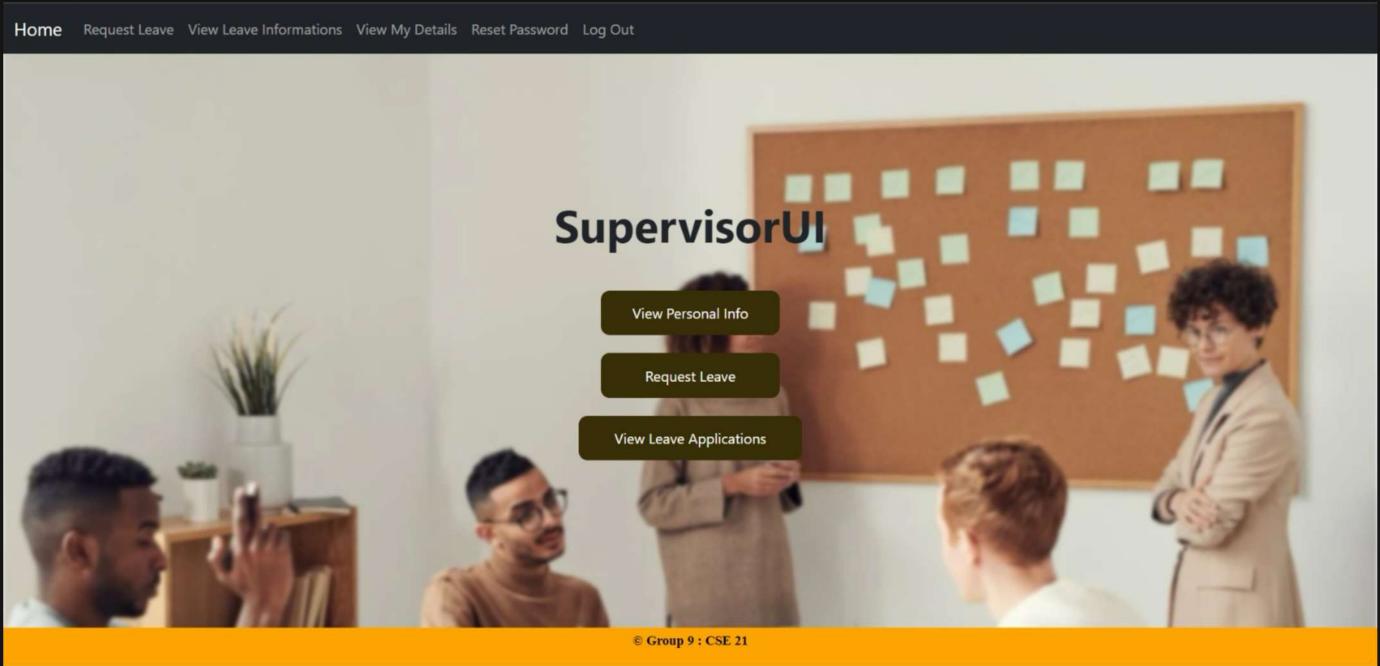
Leave Requests





Supervisor Page

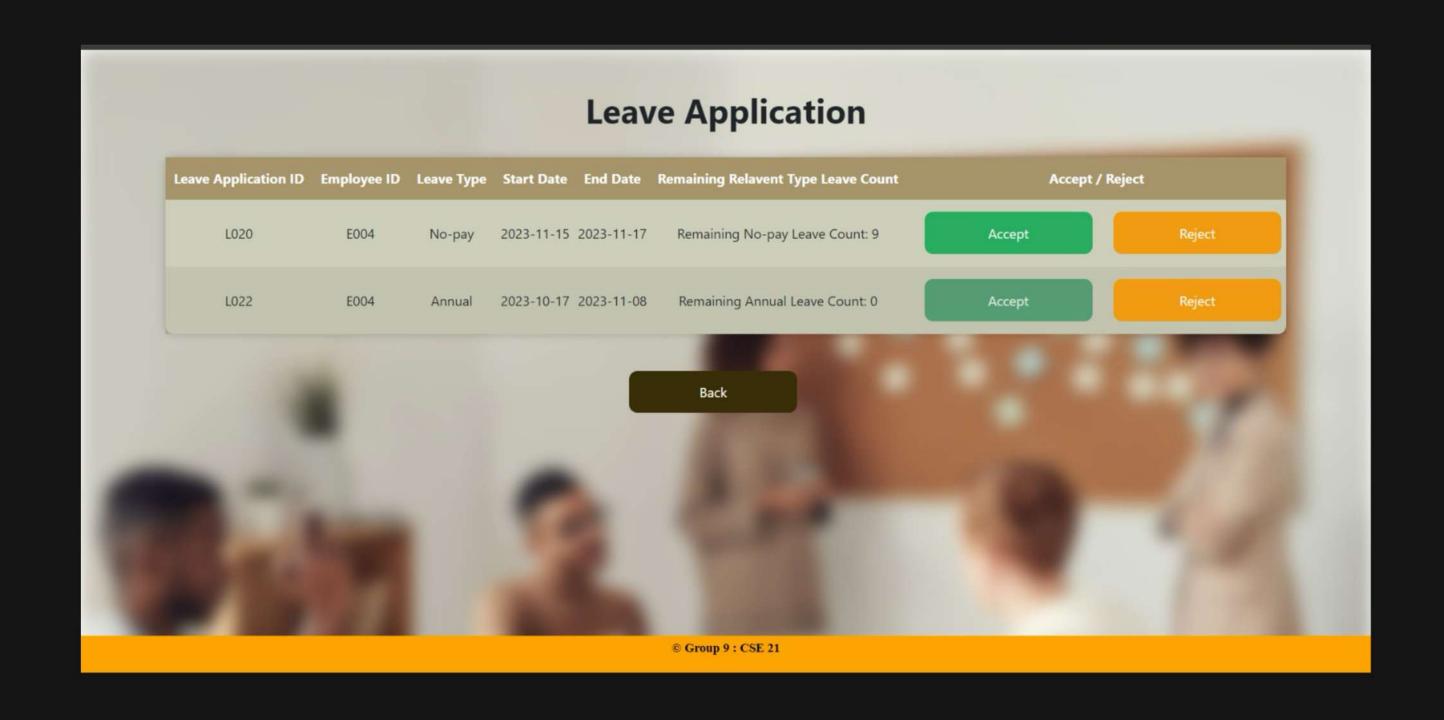
This page is for Supervisor



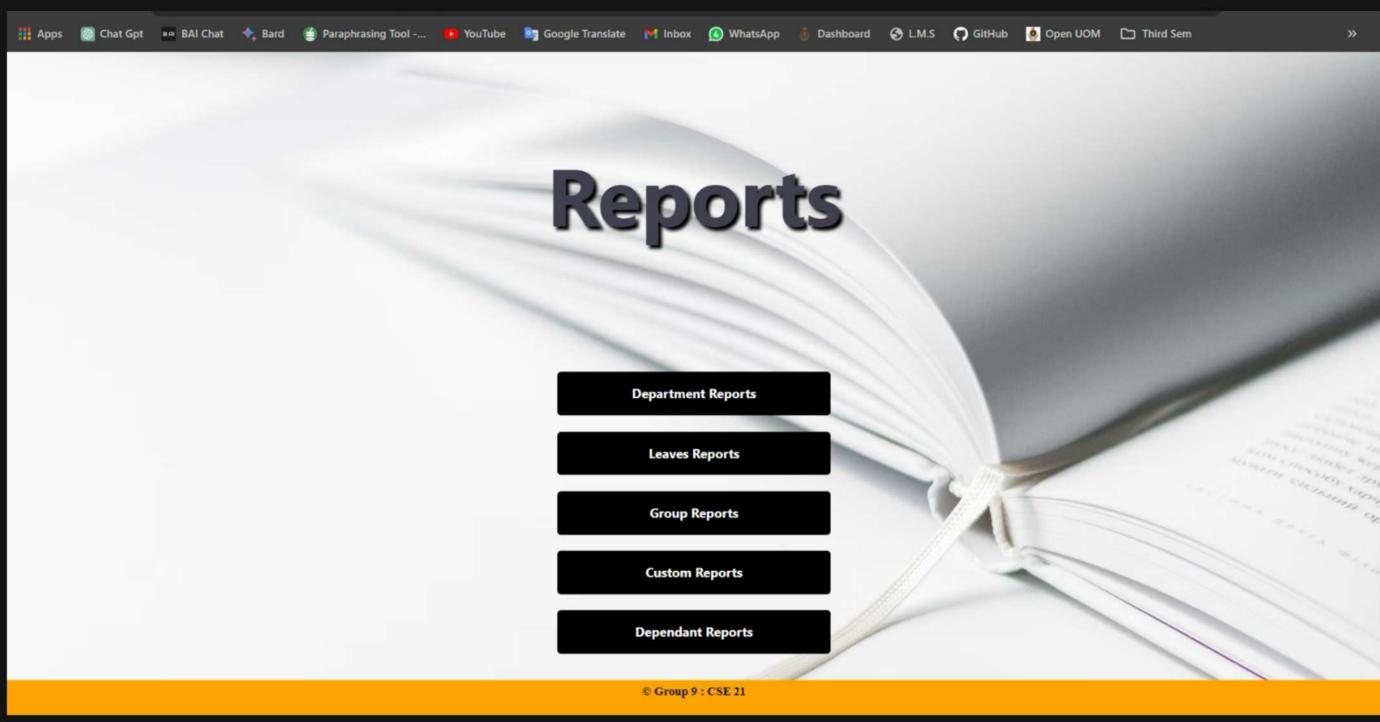


Leave Requests Approval



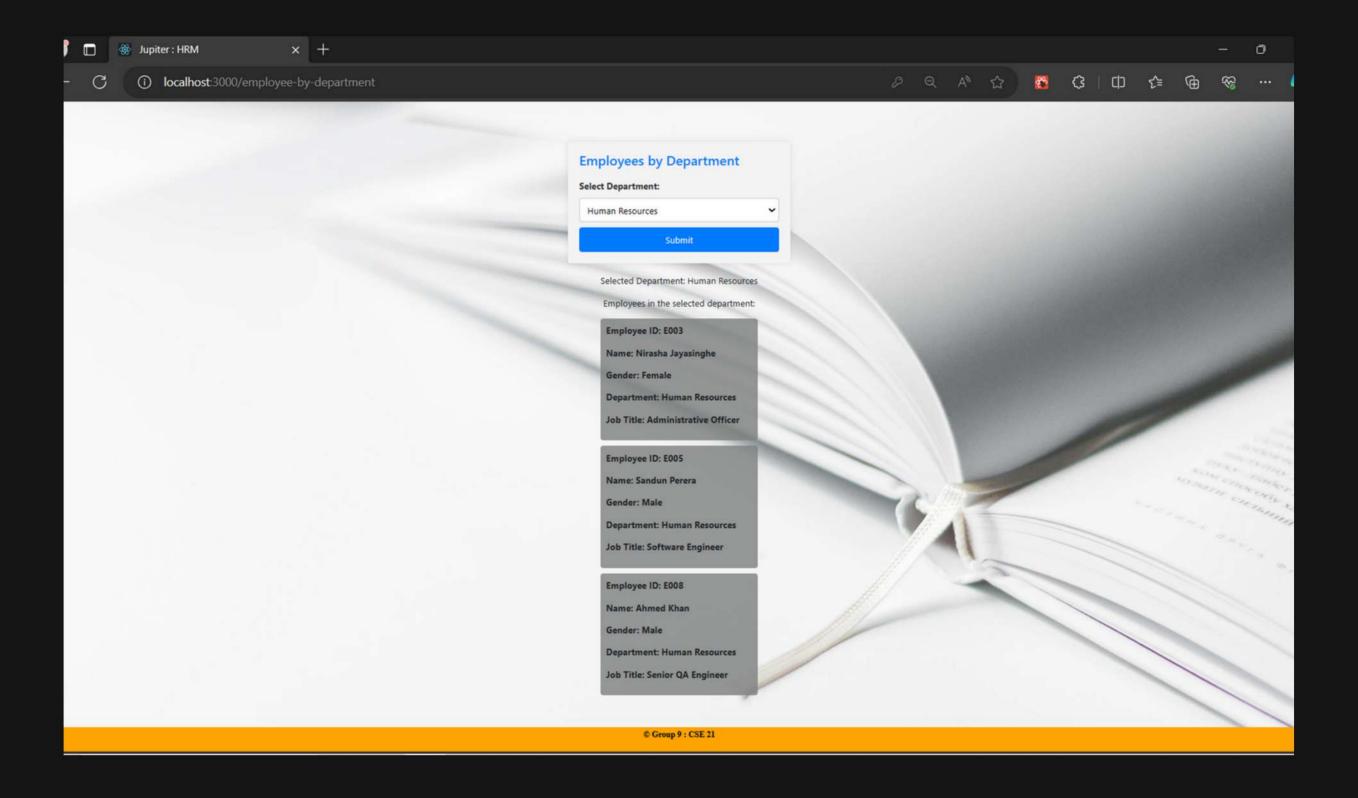


Report Generation



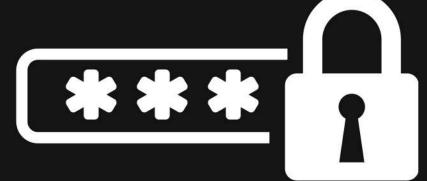


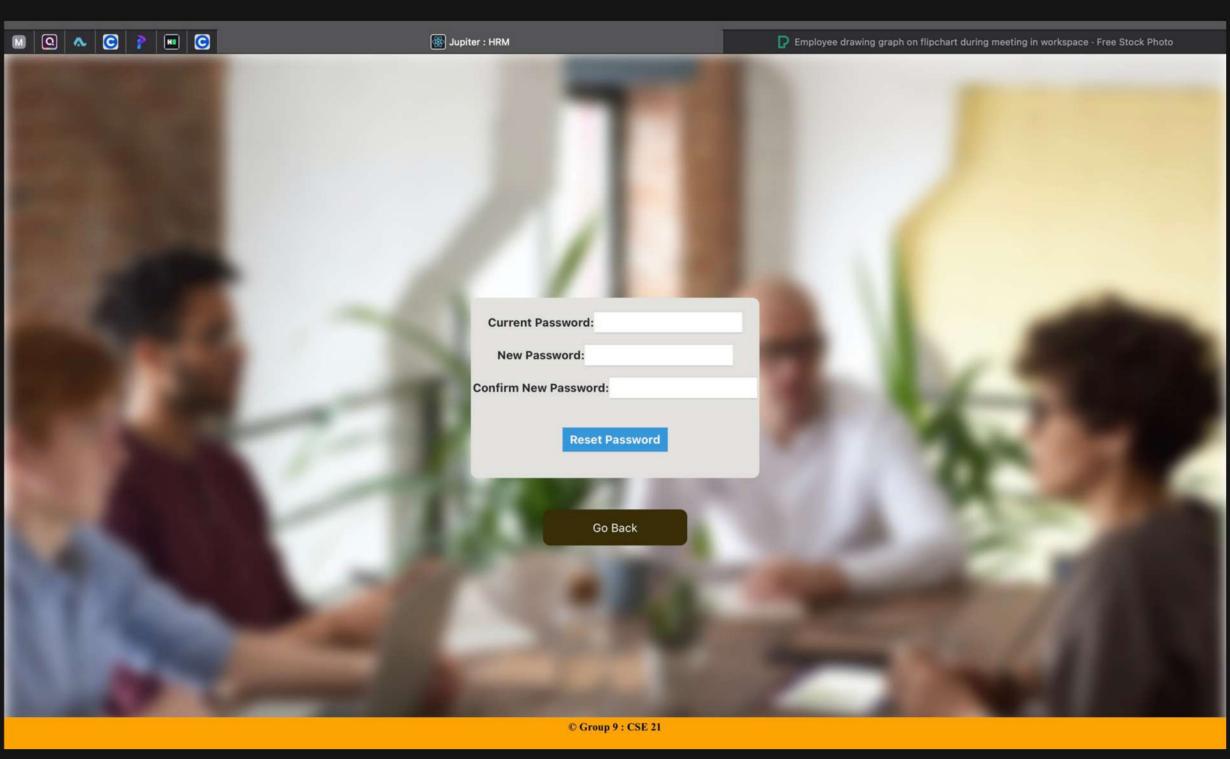
Reports





Changing Password





Hashing for Encrypting Password in database



Ke	sult Grid	Filter Rows:	Edit: 6 Export/Import: 6 Wrap Cell Content: 1				
	Employee_ID	user_name	password				
•	E001	Kavindu Prabath	<pre>\$argon2id\$v=19\$m=65536,t=3,p=4\$VFdAskJVqypQ2wcKyC9ZWQ\$hPkVcVtJhmgWhgyQa7pY2R3WUN/OzlgV51In+j1or6w</pre>				
	E002	Kasun Perera	\$argon2id\$v=19\$m=65536,t=3,p=4\$wIhemmaP4nFLat1Isw+nkg\$jBHOIut+PIKrIxem2fA1CInwIxNGu6v1H+lsfO5hgo8				
	E003	Nirasha Jayasinghe	\$argon2id\$v=19\$m=65536,t=3,p=4\$59hWjXMFXudtombrB1TgWw\$tU6/E1TGc3EhSI/TtTWWl7JJio7UtJQsnrTcTj73EvU				
	E004	Nuwan Gamage	\$argon2id\$v=19\$m=65536,t=3,p=4\$uKOn62Xui7PwEgdKzVSqYQ\$WCL4qNdyPWKBoAk/tQ8CCY6/Et2YyD5Vt5gIAb9+JLU				
	E005	Sandun Perera	\$argon2id\$v=19\$m=65536,t=3,p=4\$QYhQIvtTqFd8v8aYVhCCow\$Ehik7ay4UW28BhQiUAvg4YAthaA8BPsjb37qKdofqtk				
	E006	John Doe	\$argon2id\$v=19\$m=65536,t=3,p=4\$IWzVaVQ5uNBT8GnBJxJVwg\$n7rkCAxwj1ghom8gCW7ViN+Cr/LCkQWPJ0Nd8sNJyzE				
	E007	Jane Ayere	\$argon2id\$v=19\$m=65536,t=3,p=4\$IDtB8fd1NVE3+w7s8AuMhQ\$wmSh1ajk1pM/PjzbpY3RfIg5qCoYary7nOaY5N/AjPs				
	E008	Ahmed Khan	\$argon2id\$v=19\$m=65536,t=3,p=4\$mBXMQ7q5ptJYd0y5sKpUKA\$YxKox9CPaQpkdTE0HuobuCCuKZKdYH1iLxMVDyrdBE0				
	E009	Sara Ahmed	\$argon2id\$v=19\$m=65536,t=3,p=4\$YgCJLMi0SbbFGIZbcY7QgA\$7x06xGyuOrSrhDEdfg29wIGwk7s5C0Ow+WymvLbU4AQ				
	E010	Ali Hassan	\$argon2id\$v=19\$m=65536,t=3,p=4\$A4qwtWSz33bu+OlFZADI7w\$TGqVRvm42tJE+GAXhH9fGCijcLBqR2X8jEolpZeU6+s				
	E011	Mehak Ali	\$argon2id\$v=19\$m=65536,t=3,p=4\$gqpFiChnR0Wl1L8N9VZ77g\$fvXN5/oHaKToa3n3xS6DZMvsU2801BfmXtfK6avfQUw				
	E012	Kamran Khan	\$argon2id\$v=19\$m=65536,t=3,p=4\$xzcMDSt+kUbIjKcNcyy4nw\$XuXe0QMDnU+zQ8yEPF4CpvdFDIsLnko05AsUbqxw7QI				
	E013	Aisha Malik	\$argon2id\$v=19\$m=65536,t=3,p=4\$tX3XZbcuGO9trjYtY4KeRQ\$N41cyIheS7hsVQOI0M/Kr9mGLPgh7DNFbxCfbHh+SNI				
	E014	Ahmad Shah	\$argon2id\$v=19\$m=65536,t=3,p=4\$Or7BiDjTqI3DPM38OACLsQ\$UblOi+X8SjGEkiNJ5zSEKolKjyj3ShpKfx29jV4Dnn4				

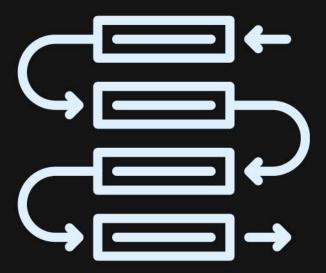
Environment Variables for protecting database credentials



Triggers in database

- Employee ID Auto Generation
- Leave Request ID Auto Incrementing
- Dependant ID Auto Incrementing

Procedures in database



- When adding a new employee auto generating username and password
- Remaining leave count.
- Dependant table auto update
- Custom Attributes Updating

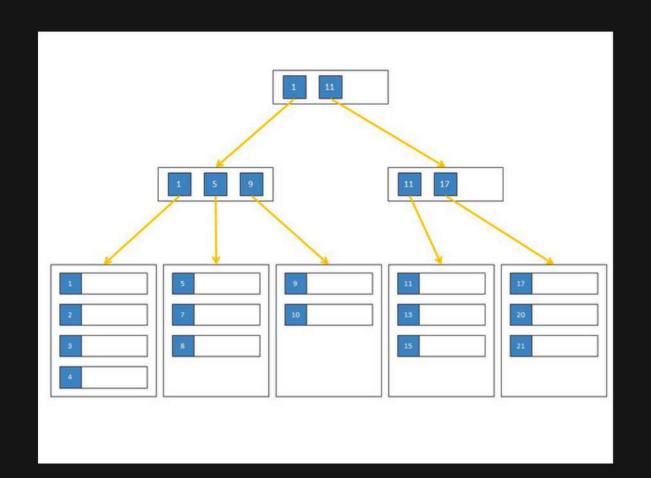
Views in database

 When generating reports we used views to get data from several tables.
So we get the querry directly from view.

Indexing



- Having a non clustering Indexing
- Using BTree



Sessions



- When a persons logs to the system he can be logged in a session.
- Person cannot go to another employees account by http address





Thank You

