



Take Home Assignment

Problem Statement

1. Nick Fury is a business owner (Admin) with 5 employees, Namely
 - 1.1. Captain Marvel : Manger-India
 - 1.2. Captain America : Manager-America
 - 1.3. Thanos : Team Member-India
 - 1.4. Thor : Team Member - India
 - 1.5. Travis : Team Member-America
2. Nick wants a web based food ordering application where one can
 - 2.1. view restaurants and menu items [assume the details/data]
 - 2.2. create an order and add food items
 - 2.3. checkout cart and pay using existing payment method
 - 2.4. cancel order
 - 2.5. modify payment method
3. Not everybody can do all the functions described above. The table below shows the access specifications of each

S.NO	FUNCTION	ADMIN	MANAGER	MEMBER
1	view restaurants & menu items	yes	yes	yes
2	create order (add food items)	yes	yes	yes
3	place order (checkout & pay)	yes	yes	no

4	cancel order	yes	yes	no
5	update payment method	yes	no	no

Objectives

- ☐ Design a full stack web application as per the requirements in the problem statement **(12 points)**
- ☐ Implement Access management for different roles as elaborated on in the table above (RBAC) **(8 points)**
- ☐ **Bonus Objective:** Currently all users assigned a role can access features & data assigned to them org-wide. Can you implement a relational access model where Managers & Members act on the functions & view data limited to their country only, I.E Manager or Team member from India can't access data or features associated with those in America or vice-versa **(10 points)**

NOTE

1. You can use any programming language & framework of your choice. (Next.JS & Nest.JS is what we use)
2. Add README file with instructions to run the code locally
3. Submit the APIs collection, datasets used, architecture & design documents or any other relevant resource to run the application and understand it
4. Share the link to your git repository or drive to access & review your code
5. Share a demo video of your app or link to your deployment for us to checkout

If you have any questions of clarification, feel free to reach-out to us at ***careers@slooze.xyz***

Thank You