

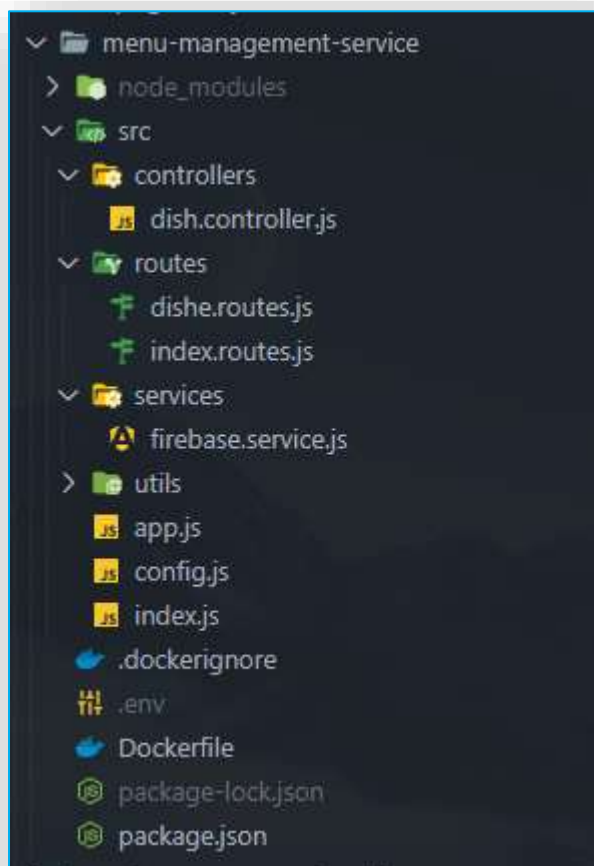
PROYECTO FINAL – EXAMEN - 04:

Integrantes:

- Ccopa Barrios Abel Flavio
- Andrade Chura Mary Carmen
- Lupacca Apaza Luigui Marco
- Phocco Machacca Cayo Alberto
- Quea Jacho Ruben Freddy

API NODE.js:

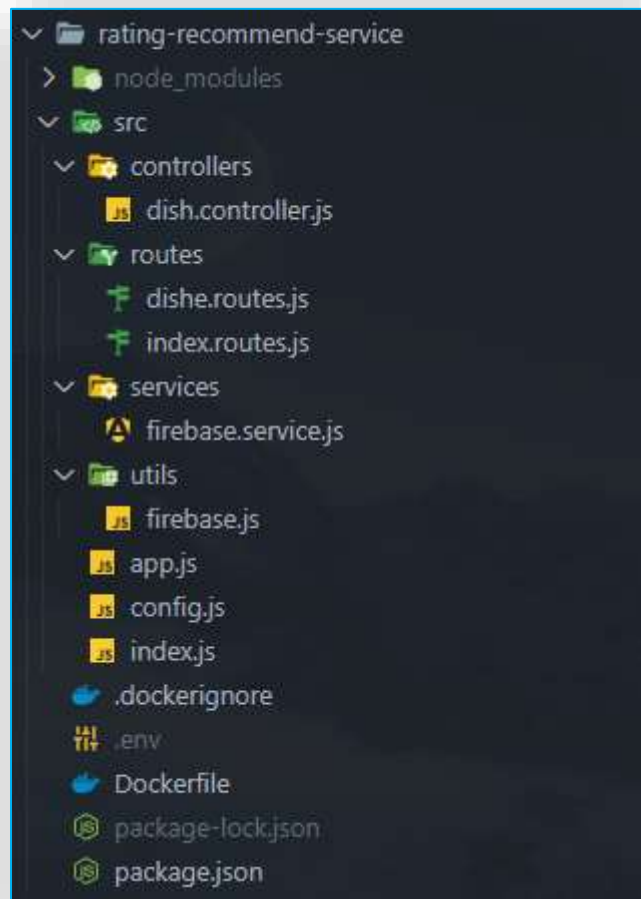
- ESTRUCTURA DEL PRIMER SERVICIO



LINK DEL CÓDIGO: GitHub -> [ExploreMinds/backend/menu-management-service at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/tree/main/backend/menu-management-service)

Dockerfile: Link del GitHub -> [ExploreMinds/backend/menu-management-service/Dockerfile at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/tree/main/backend/menu-management-service/Dockerfile)

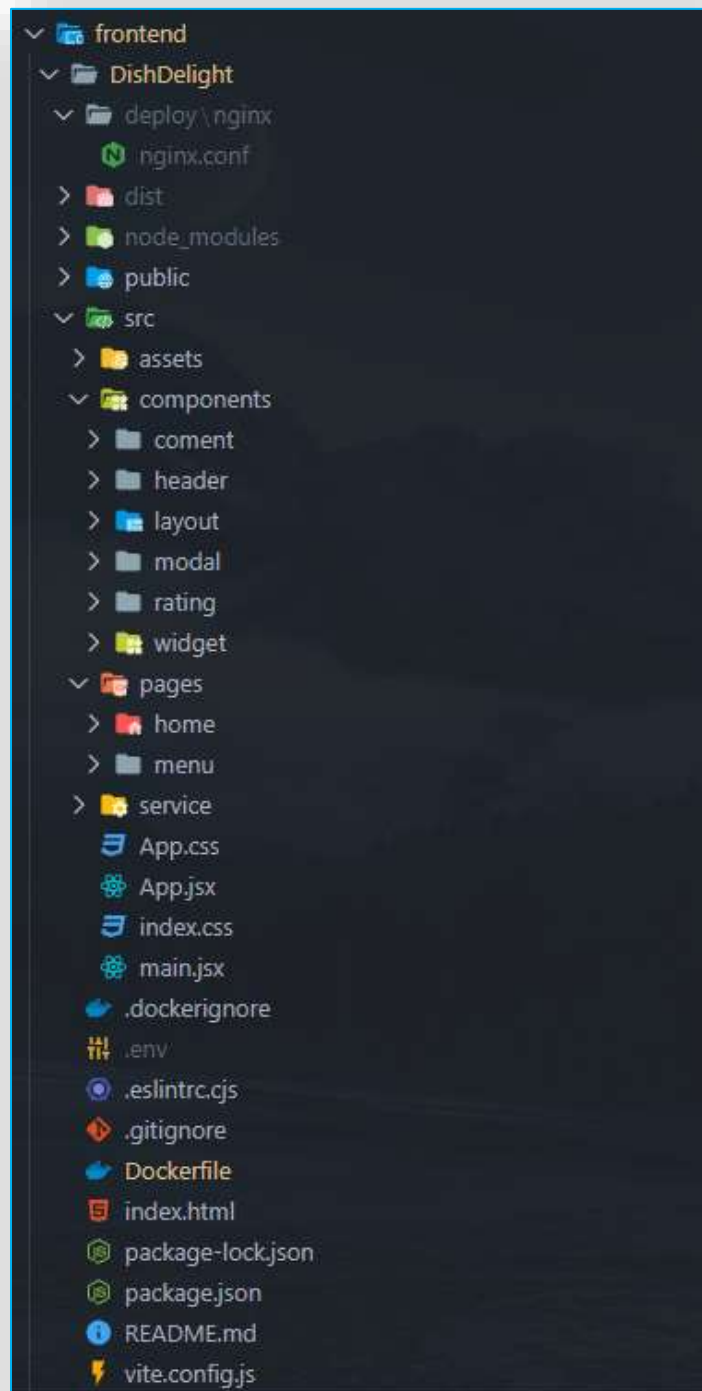
- ESTRUCTURA DEL SEGUNDO SERVICIO:



LINK DEL CÓDIGO: GitHub -> [ExploreMinds/backend/rating-recommend-service at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/backend/rating-recommend-service)

Dockerfile: Link del GitHub -> [ExploreMinds/backend/rating-recommend-service/Dockerfile at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/backend/rating-recommend-service/Dockerfile)

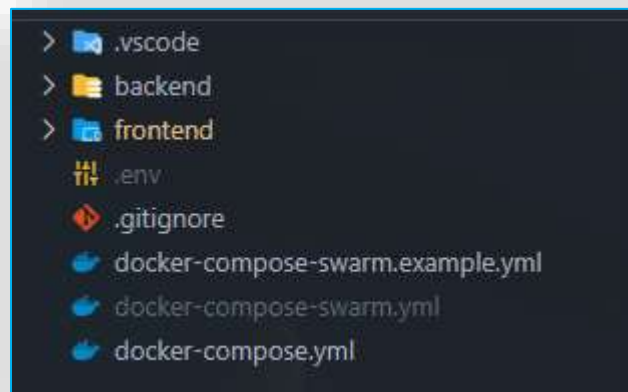
- ESTRUCTURA DEL WEB ESTÁTICO:



LINK DEL CÓDIGO: GitHub -> [ExploreMinds/frontend/DishDelight at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/tree/main/frontend/DishDelight)

Dockerfile: Link del GitHub -> [ExploreMinds/frontend/DishDelight/Dockerfile at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/tree/main/frontend/DishDelight/Dockerfile)

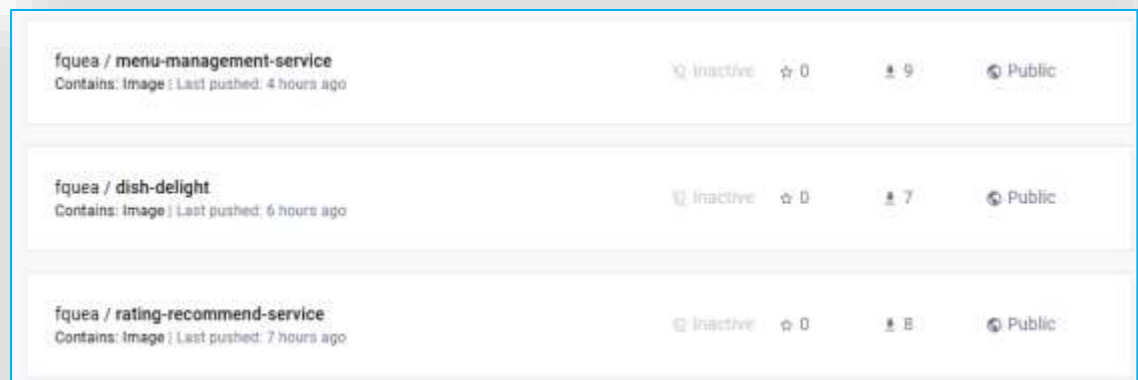
- ESTRUCTURA DEL PROYECTO COMPLETO:



- PARA LA CONSTRUCCIÓN DE IMÁGENES
docker-compose.yml: Github -> [ExploreMinds/docker-compose.yml at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/blob/main/docker-compose.yml)

- PARA EL DESPLEGAR DE LOS SERVICIOS
docker-compose-swarm.yml: GitHub -> [ExploreMinds/docker-compose-swarm.example.yml at main · fquea15/ExploreMinds \(github.com\)](https://github.com/fquea15/ExploreMinds/blob/main/docker-compose-swarm.example.yml)

- IMÁGENES SUBIDAS A DOCKER HUB



- SUBIDA DE SERVICIOS A LA NUBE - AWS:
 - INSTANCIAS

Instancias [4] <small>Información</small>									
Buscar instancia por nombre o etiqueta (para ver todas)									
<input type="checkbox"/>	Nombre	ID de la instancia	Estado de la instancia	Tipo de inst...	Configuración de	Estado de la al...	Zona de dispon...	DNS de IPv4 pública	Dirección IPv4 p...
<input type="checkbox"/>	node-1	i-36c1754846423aa0	En ejecución	t2.micro	2/2 comprobados	Sin alarmas	us-east-1a	ec2-54-62-120-96.com...	54.82.120.96
<input type="checkbox"/>	manager	i-25a6a28a1e1b0d944	En ejecución	t2.micro	2/2 comprobados	Sin alarmas	us-east-1a	ec2-44-253-89-123.co...	44.253.89.122
<input type="checkbox"/>	node-2	i-6c1a8b0c844b0f0	En ejecución	t2.micro	2/2 comprobados	Sin alarmas	us-east-1c	ec2-44-218-179-46.co...	44.218.179.46
<input type="checkbox"/>	node-1	i-6c1275b09423a7b1	En ejecución	t2.micro	2/2 comprobados	Sin alarmas	us-east-1c	ec2-44-212-30-205.co...	44.212.30.205

- CONEXIONES A LAS INSTANCIAS DESDE LOCAL CON SSH
 - NODE-MANAGER

```
[ec2-user@ip-172-31-86-76 ExploreMinds]$ docker node ls
ID                HOSTNAME                STATUS    AVAILABILITY    MANAGER STATUS    ENGINE VERSION
enew5xsr76wqn8hannj92vq    ip-172-31-19-183.ec2.internal    Ready    Active
jzjss9y7v9xnbopaukwg28d    ip-172-31-81-48.ec2.internal    Ready    Active
u4gs1veck9picq4bdqv1mw88    ip-172-31-83-36.ec2.internal    Ready    Active
u3upwax12rt1jnfghcp05vy3a    ip-172-31-86-76.ec2.internal    Ready    Active    Leader
[ec2-user@ip-172-31-86-76 ExploreMinds]$
```

- NODE-1-WORKER

```
[ec2-user@ip-172-31-81-48 ~]$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
65686bf29f7b   fquea/menu-management-service:1.1   "docker-entrypoint.s..." 48 minutes ago Up 48 minutes 4000/tcp
cp   explore-minds_menu-management-service.2.mlwahbvoxrs32ovcn1mgdpg9
1d787fa875e6   fquea/menu-management-service:1.1   "docker-entrypoint.s..." 48 minutes ago Up 48 minutes 4000/tcp
cp   explore-minds_menu-management-service.1.v08x41v0e9ligsxi1kmjfe5fm
[ec2-user@ip-172-31-81-48 ~]$
```

- NODE-2-WORKER

```
[ec2-user@ip-172-31-83-36 ~]$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS        NAMES
02ef39a63b   fquea/menmg-recommend-service:1.0   "docker-entrypoint.s..." 14 minutes ago Up 14 minutes 4001/tcp    explore-minds_menmg-recommend-service.1.v81e72bphuggb1h
u46f61m9s
463771c7727f   fquea/menmg-recommend-service:1.0   "docker-entrypoint.s..." 14 minutes ago Up 14 minutes 4001/tcp    explore-minds_menmg-recommend-service.2.katichu7appasab1e
61m9xqg
[ec2-user@ip-172-31-83-36 ~]$
```

- NODE-3-WORKER

```
[ec2-user@ip-172-31-19-183 ~]$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS        NAMES
435d01ca2177   fquea/dish-delight:1.0              "/docker-entrypoint..." 13 minutes ago Up 13 minutes 80/tcp      explore-minds_dish-delight.2.rplhyvy1jakkb78d6f
etxawoc
47adcb11ddfa   fquea/dish-delight:1.0              "/docker-entrypoint..." 13 minutes ago Up 13 minutes 80/tcp      explore-minds_dish-delight.1.c2llqod8apbtviach
7c22agyc
[ec2-user@ip-172-31-19-183 ~]$
```

- CONFIGURACIÓN EN EL NODO MANAGER
 - INICIAR DOCKER SWARM EN NODE-MANAGER
 - # docker swarm init --advertise-addr 172.31.86.76
 - GENERAR TOKEN PARA AGREGAR NODOS WORKER
 - # docker swarm join-token worker
 - AGREGAR ETIQUETAS A CADA NODO PARA SU MEJOR IDENTIFICACIÓN
 - # docker node update --label-add nodo=worker-1 ID-NODE
- CONFIGURACIONES EN CADA UNO DE LOS NODOS
 - ACTUALIZACION DEL PAQUETE
 - # sudo yum update -y
 - INSTALAR DOCKER
 - # sudo yum install docker -y
 - INICIAR SERVICIO DE DOCKER
 - # sudo service docker start
 - AGREGAR AL USUARIO ACTUAL AL GRUPO DE DOCKER

- ```
#sudo usermod -aG docker $USER
```
- **DESCARGAR DOCKER\_COMPOSE**

```
sudo curl -L
"https://github.com/docker/compose/releases/latest/download/docker-compose-
$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose
```
  - **PERMISOS DE EJECUCION**

```
sudo chmod +x /usr/local/bin/docker-compose
```
  - **AGREGAR NODOS WORKER USANDO EL TOKEN GENERADO**

```
docker swarm join --token SWMTKN-1-
4zjys9802gphweofppi3z0j55riebrm9mc3r168e2f318rye1-
8c1qenqd68uah1u0u7nigsku2 172.31.86.76:2377
```
  - **COMANDO PARA EL DESPLIEGUE DE LOS SERVICIOS.**

```
docker stack deploy -c docker-compose-swarm.yml explore-minds
```

## RESULTADOS DE LOS SERVICIOS.

- ✓ **API MANAGEMENT-SERVICE**
  - **ENDPOINTS**

```

1. get('/platos', getDishesAll) //OBTENER TODOS LOS PLATILLOS
2. post('/platos', createDish) //CREAR UN NUEVO PLATILLO
3. post('/platos/:id/rating', addRating); //AGREGAR RATING A UN PLATILLO
4. post('/platos/:id/comment', addComment); //AGREGAR COMENTARIO A UN PLATILLO

```

```

1. "id": "5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "name": "Cerveza",
 "description": "Cerveza de gran calidad con un sabor agridulce.",
 "rating": 4.5,
 "comment": "Muy buena",
 "created_at": "2021-04-14T14:14:14Z",
 "updated_at": "2021-04-14T14:14:14Z",
 "deleted_at": null,
 "status": "active",
 "category": "Beverages",
 "tags": ["Cerveza", "Alcohol", "Bebida"],
 "links": {
 "self": "/api/v1/platos/5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "create": "/api/v1/platos/create",
 "update": "/api/v1/platos/update/:id",
 "delete": "/api/v1/platos/delete/:id",
 "details": "/api/v1/platos/details/:id"
 }
},
2. "id": "5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "name": "Cerveza",
 "description": "Cerveza de gran calidad con un sabor agridulce.",
 "rating": 4.5,
 "comment": "Muy buena",
 "created_at": "2021-04-14T14:14:14Z",
 "updated_at": "2021-04-14T14:14:14Z",
 "deleted_at": null,
 "status": "active",
 "category": "Beverages",
 "tags": ["Cerveza", "Alcohol", "Bebida"],
 "links": {
 "self": "/api/v1/platos/5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "create": "/api/v1/platos/create",
 "update": "/api/v1/platos/update/:id",
 "delete": "/api/v1/platos/delete/:id",
 "details": "/api/v1/platos/details/:id"
 }
},
3. "id": "5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "name": "Cerveza",
 "description": "Cerveza de gran calidad con un sabor agridulce.",
 "rating": 4.5,
 "comment": "Muy buena",
 "created_at": "2021-04-14T14:14:14Z",
 "updated_at": "2021-04-14T14:14:14Z",
 "deleted_at": null,
 "status": "active",
 "category": "Beverages",
 "tags": ["Cerveza", "Alcohol", "Bebida"],
 "links": {
 "self": "/api/v1/platos/5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "create": "/api/v1/platos/create",
 "update": "/api/v1/platos/update/:id",
 "delete": "/api/v1/platos/delete/:id",
 "details": "/api/v1/platos/details/:id"
 }
},
4. "id": "5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "name": "Cerveza",
 "description": "Cerveza de gran calidad con un sabor agridulce.",
 "rating": 4.5,
 "comment": "Muy buena",
 "created_at": "2021-04-14T14:14:14Z",
 "updated_at": "2021-04-14T14:14:14Z",
 "deleted_at": null,
 "status": "active",
 "category": "Beverages",
 "tags": ["Cerveza", "Alcohol", "Bebida"],
 "links": {
 "self": "/api/v1/platos/5b2b14b1-1b1b-4b1b-1b1b-1b1b1b1b1b1b",
 "create": "/api/v1/platos/create",
 "update": "/api/v1/platos/update/:id",
 "delete": "/api/v1/platos/delete/:id",
 "details": "/api/v1/platos/details/:id"
 }
}

```

- ✓ **API RECOMMENDED-SERVICE**
  - **ENDPOINT**

```
//ORDENAR DE MAYOR A MENOR PLATILLOS DEL MISMO TIPO
router.get('/platos/:id/rating-order', getDishRecoment)
```

[illegible]



## RESULTADOS DEL WEB ESTÁTICO PARA LA ADMINISTRACIÓN:

### - VISTA PRINCIPAL:



### - LISTA DE MENÚS:





- FORMULARIO PARA AGREGAR UN NUEVO PLATO:

The screenshot displays a web application interface for managing a menu. A modal window titled "Agregar Nuevo Plato" is open, allowing a user to add a new dish. The background shows a grid of existing menu items, each with a photo, name, price, and a "Ver comentarios" (View comments) button.

**Modal Form Fields:**

- NOMBRE:**
- CATEGORIA:**
- TIPO:**
- PRECIO:**
- DESCRIPCION:**
- IMAGEN:**  No file chosen
- Agregar** (button)

**Background Menu Items:**

- Lomo Saltado:** 1.30 ★
- Aji de Gallina:** 1.20 ★
- Rocoto Relleno:** 1.20 ★
- Causa Limeña:** 1.50 ★
- Tres Leches:** 1.50 ★

## RESULTADO:

- React-Native (Aplicativo móvil):
  - VISTA PRINCIPAL



- LISTA DE PLATILLOS



- LISTA DE PLATILLOS -> TIPO - ENTRADAS





- LISTA DE PLATILLOS -> TIPO - PRINCIPAL



- LISTA DE PLATILLOS -> TIPO - POSTRES





- VISTA DETALLE DEL PLATO ESPECÍFICO Y PLATILLOS RECOMENDADOS ORDENADOS DE MAYOR A MENOR DEL MISMO TIPO



- SECCION DE CALIFICACION Y COMENTARIOS

