Project: ItemRepositoryAPI & Worker Service Docker Setup

Prerequisites

- Docker Desktop installed and running.
- .NET 9 SDK installed (for local builds if needed).
- Optional: Visual Studio 2022.

Directory Structure

```
Tiba/
├── IteamRepositoryAPI/
│   ├── Dockerfile
│   └── ...
├── ItemRepositoryWorkerService/
│   ├── Dockerfile
│   └── ...
├── docker-compose.yml
└── README.txt
```

Setup & Run Locally Using Docker

1. **Open PowerShell in the project root** (`Tiba` folder).

2. **Build Docker images:**

```
docker-compose build
```

3. **Start services:**

```
docker-compose up -d
```

4. **Check running containers:**

```
docker ps
```

You should see `iteamrepositoryapi`, `itemrepositoryworkerservice`, `postgres`, and `rabbitmq` running.

5. **Verify API is reachable:**

6. Open a browser or use curl:

```
curl http://localhost:5000/swagger
```

You should see the Swagger UI.

7. **Access RabbitMQ Management UI:**

8. Open a browser:

```
http://localhost:15672
```

9. Default credentials: `guest` / `guest`

10. **Database Details:**

11. PostgreSQL is exposed on `localhost:5432`
12. DB name: `ItemDB`
13. User: `postgres`
14. Password: `Noya@27189`

Stop Services

```
docker-compose down
```

Notes

- **Migrations:** `ItemRepositoryWorkerService` automatically runs EF Core migrations on start. If the DB already exists, it will not re-create tables.
- **Logs:**

```
docker logs -f iteamrepositoryapi
```

- **Debug:** Use Visual Studio 2022 to attach to Docker containers if needed.
- Ensure `docker-compose.yml` and Dockerfiles are not deleted or modified unexpectedly.