**Marina Management System**

**Overview**

This Flask-based web application is designed to manage marina operations, specifically handling boats and slips. It integrates Auth0 for secure user authentication and uses Google Cloud Datastore for storing and retrieving data.

**Features**

* **User Authentication**: Secure login/logout functionality using Auth0.
* **JWT Verification**: Ensures secure API calls through JWT tokens.
* **Data Management**: Manages boats, slips, and user data using Google Cloud Datastore.
* **User Interface**: Provides web pages for various functionalities.

**Getting Started**

**Prerequisites**

* Python 3
* Flask
* Google Cloud Datastore account
* Auth0 account

**Installation**

1. Clone the repository:

git clone [repository URL]

1. Install Dependencies:

pip install -r requirements.txt

**Configuration**

1. Set up your Auth0 account and obtain the Client ID, Client Secret, and Domain.
2. Set up Google Cloud Datastore and configure it for your project.
3. Create a .env file in the root directory and add the following:

AUTH0\_CLIENT\_ID = [Your Auth0 Client ID]

AUTH0\_CLIENT\_SECRET = [Your Auth0 Client Secret]

AUTH0\_DOMAIN = [Your Auth0 Domain]

APP\_SECRET\_KEY = [Your Secret Key]

PORT = [Your Preferred Port]

**Running the Application**

1. Start the server:

python app.py

1. Access the application at http://127.0.0.1:[PORT].

**Endpoints**

* /login - User login route.
* /logout - User logout route.
* /decode - Decode JWT token.
* /users - Retrieve user data.
* Boat and slip management endpoints.

**Security**

* Ensure all communications are over HTTPS.
* Do not expose sensitive data in the .env file or in the code.