Developers Manual

Project Name: ReWork

Group Name: Pixel Perfect

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1. Introduction

This document provides a step-by-step guide on how to install, configure, run, and test the software. It also covers database setup and data generation for development and testing.

Technologies Used:

- Python 3.10+
- Django 4+
- PostgreSQL (SQLite for local development)
- Git
- Virtual Environment (venv)

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2. Installation

2.1 Set Up a Virtual Environment

To install the software and use it in your local development environment, you must first set up and activate a local development environment. From the root of the project:
```
$ python3 -m venv ./venv
$ source venv/bin/activate
```

2.2 Clone the Repository
```
$ git clone https://github.com/Aabumouti03/PixelPerfect.git
```

2.3 Install Dependencies
```
$ pip3 install -r requirements.txt
```

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3. Configuration

3.1 Environment Variables

Create a `.env` file in the project root with the following:

EMAIL_HOST_PASSWORD=ojba fwnx qkzf dzaw

Explanation of Variables:
EMAIL_HOST_PASSWORD: Configures the email server (e.g., for password reset emails).

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4. Database Setup and Data Generation

4.1 Apply Migrations

$ python manage.py makemigrations
$ python manage.py migrate

4.2 Generate Test Data

$ python manage.py seed

4.3 Remove Test Data

$ python manage.py unseed

The admin functionalities can be accessed from:

Admin	Username: SuperUser	Password: 123password

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5. Running the Application

5.1 Start the Development Server

$ python manage.py runserver

Application will be accessible at `localhost:8000`

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6. Running Tests

6.1 Run All Tests

$ python manage.py test client.tests users.tests

6.2 Check Test Coverage

$ coverage run manage.py test client.tests users.tests

This document ensures that developers can efficiently set up, configure, and work on the project with minimal friction.