

Developer Manual: TeamCrimson PDF Voice Comment Application

Introduction

Welcome to the developer manual for the TeamCrimson PDF Voice Comment application. This document provides comprehensive instructions on setting up, testing, and running the application in your local development environment.

Language

The application is primarily developed using **Python** and **JavaScript**.

Framework

The application is built on the **Django** framework.

Testing Tool

We employ a combination of **unittest**, **QUnit**, and **Selenium** for testing purposes.

Service

The application seamlessly integrates with **AWS S3** for storage

Amazon S3 Bucket IAM User Information

- **Account ID:** 975050003861
- **IAM Username:** hanson
- **Password:** ^VkC12-w

Installation Instructions

1. Clone Repository:

- Begin by cloning the repository to your local machine:

```
$ git clone git@github.com:Issaabdi1/Crimson.git
$ cd Crimson
```

2. Create and Configure Environment:

- Create and open a `.env` file:

```
$ touch .env
$ open .env
```

- Add the following environment variables to `.env` and save:

```
USE_S3=TRUE
AWS_ACCESS_KEY_ID=AKIA6GBMCKWKVMOCFXG4
AWS_SECRET_ACCESS_KEY=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
AWS_STORAGE_BUCKET_NAME=myspdfbucket01
```

3. Set Up Local Development Environment:

- Set up and activate a local development environment:

```
$ virtualenv venv
$ source venv/bin/activate
```

- Install all required packages:

```
$ pip3 install -r requirements.txt
```

4. Database Setup:

- Migrate the database:

```
$ python3 manage.py migrate
```

- Seed the development database:

```
$ python3 manage.py seed
```

5. Testing Configuration:

Download the Chrome WebDriver and add its directory to the system's PATH.

6. Create Superuser and Run Tests:

- Create a superuser:

```
$ python3 manage.py create_debug_superuser
```

- Run all the test:

```
$ python3 manage.py test
```

Sources

- The packages used by this application are specified in `requirements.txt`.
- Chromedriver, used for testing purposes, can be downloaded [here](#).