

# Project Documentation

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**File:** `manage.py`

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## Functions

`main()` (Line 7)

Run administrative tasks.

**File:** `asgi.py`

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**File:** `settings.py`

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**File:** `urls.py`

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**File:** `wsgi.py`

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**File:** `__init__.py`

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**File:** `admin.py`

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**File:** `apps.py`

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## Classes

`DocsConfig` (Line 4)

No docstring

**File:** `forms.py`

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## Classes

`CustomUserCreationForm` (Line 6)

Enhanced user registration form with email field and Bootstrap styling support

**Methods:** - `clean_email(self)`

Line 28: No docstring

`CustomAuthenticationForm` (Line 34)

Custom login form with Bootstrap styling

## ProjectUploadForm (Line 45)

Form for uploading Python project ZIP files with validation

**Methods:** - `clean_zip_file(self)`

Line 63: No docstring

## Meta (Line 24)

No docstring

## Meta (Line 49)

No docstring

## File: models.py

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### Classes

## Project (Line 6)

No docstring

**Methods:** - `__str__(self)`

Line 13: No docstring

## GeneratedDocument (Line 16)

No docstring

**Methods:** - `__str__(self)`

Line 31: No docstring

## Meta (Line 28)

No docstring

## File: tests.py

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## File: urls.py

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## File: views.py

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### Functions

## document\_view(request, project\_id, format\_type) (Line 34)

No docstring

## signup\_view(request) (Line 84)

No docstring

**logout\_view(request) (Line 96)**

No docstring

**preview\_document(request, project\_id) (Line 100)**

No docstring

**get\_file\_info(file\_path) (Line 115)**

No docstring

**dashboard(request) (Line 123)**

No docstring

**dashboard(request) (Line 168)**

No docstring

**download\_file(request, path) (Line 214)**

No docstring

**delete\_file(request) (Line 223)**

No docstring

**signup\_view(request) (Line 259)**

No docstring

**login\_view(request) (Line 270)**

No docstring

**upload\_project(request) (Line 286)**

No docstring

**process\_project(project\_id) (Line 308)**

No docstring

**get\_documentation\_files(user) (Line 376)**

Helper function to scan and return all documentation files for a user

**download\_doc(request, project\_id, doc\_type) (Line 401)**

No docstring

**download\_document(request, project\_id, doc\_type) (Line 418)**

No docstring

**download\_markdown(request, project\_id) (Line 448)**

No docstring

`download_html(request, project_id)` (Line 452)

No docstring

`download_pdf(request, project_id)` (Line 456)

No docstring

**File:** `__init__.py`

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**File:** `0001_initial.py`

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### Classes

`Migration` (Line 8)

No docstring

**File:** `0002_project_html_file_project_markdown_file_and_more.py`

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### Classes

`Migration` (Line 6)

No docstring

**File:** `0003_generateddocument.py`

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### Classes

`Migration` (Line 7)

No docstring

**File:**

`0004_remove_project_doc_file_remove_project_html_file_and_more.py`

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### Classes

`Migration` (Line 6)

No docstring

**File:** `__init__.py`

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**File:** `code_parser.py`

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## Functions

`parse_python_file(file_path)` (Line 7)

Enhanced Python file parser with better error handling

`parse_python_project(zip_path)` (Line 64)

Handle ZIP extraction and parse all Python files

## File: `doc_generator.py`

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### Functions

`generate_markdown_doc(parsed_data)` (Line 8)

Generate comprehensive Markdown documentation with error handling

`generate_html_doc(parsed_data)` (Line 46)

Generate styled HTML documentation with syntax highlighting

`generate_pdf_doc(parsed_data, output_path)` (Line 108)

Generate PDF with proper error handling and configuration

## File: `pdf_utils.py`

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### Functions

`get_wkhtmltopdf_path()` (Line 4)

No docstring