

Machine Task- Backend Developer

Develop a text saving and retrieval web app using Django. The app should be able to save short text snippets with a title, timestamp and created user. The snippet should also contain a relation to a Tag model (simple model with only title field). Tag title should be unique. Do not create tags for every snippet, check whether the tag with the same title exists or not before creating a new one. If the same tag exists link to that tag. Implement JWT authentication for getting user.

Expected output format: GitHub repository URL.

Authentication API:

1. Login API
2. Refresh API

CRUD APIs:

1. *Overview API (total count, listing)*

Total number of snippet and list all available snippets with a hyperlink to respective detail APIs.

2. *Create API*

API to collect the snippet information and save the data to DB.

3. *Detail API*

API should display the snippet title, content, and timestamp information.

4. *Update API*

API to update individual items. Update API should return item detail response.

5. *Delete API*

API to delete selected items and return the list of items as response.

6. *Tag list API*

API to list tags

7. *Tag Detail API*

API to return snippets linked to the selected tag.