API Endpoints Documentation:

1. Sign Up Endpoint:

URL: /signup/

Method: POST

Request Format:

Parameters:

username (string): User's desired username.

fname (string): User's first name.

lname (string): User's last name.

email (string): User's email address.

pass1 (string): User's chosen password.

pass2 (string): Confirmation of the user's chosen password.

Response Format: Redirect to home page if successful.

2. Sign In Endpoint:

URL: /signin/

Method: POST

Request Format:

Parameters:

username (string): User's username.

pass1 (string): User's password.

Response Format: Redirect to item dashboard if successful.

3. Item Dashboard Endpoint:

URL: /item\_dashboard/

Method: GET

Permissions: User must be authenticated.

Authentication: Basic Authentication

Request Format:

Query Parameters (optional): category=’Raw Materials’

stock\_status (string): Filter by item stock status.

sku (string): Filter by item SKU.

name (string): Filter by item name.

category (string): Filter by item category.

available\_stock (integer): Filter by available stock quantity.

Response Format:

JSON object containing a list of items matching the filters:

items (array): List of serialized item objects.

HTTP status code: 200 OK if successful, 401 Unauthorized if authentication fails.