**API Documentation**

**User Registration**

**Endpoint:** **POST /api/register/**

**Description:** Register a new user.

**Parameters:**

* **username**: Username for the new user.
  + *Type:* String
  + *Required:* Yes
* **password**: Password for the new user (should be at least 8 characters).
  + *Type:* String
  + *Required:* Yes

**Response:**

* Status Code: 201 Created
* Body: User details of the newly registered user.

**User Login**

**Endpoint:** **POST /api/login/**

**Description:** Log in an existing user.

**Parameters:**

* **username**: Username of the user.
  + *Type:* String
  + *Required:* Yes
* **password**: Password of the user.
  + *Type:* String
  + *Required:* Yes

**Response:**

* Status Code: 200 OK
* Body: Message indicating successful login.

**Item Creation**

**Endpoint:** **POST /api/items/create/**

**Description:** Create a new item.

**Request Body:**

* **name**: Name of the item.
  + *Type:* String
  + *Required:* Yes
* **sku**: Stock Keeping Unit (SKU) of the item.
  + *Type:* String
  + *Required:* Yes
* **category**: Category of the item.
  + *Type:* String
  + *Required:* Yes
* **tags**: Tags associated with the item.
  + *Type:* String
  + *Required:* Yes
* **stock\_status**: Stock status of the item (In Stock or Out of Stock).
  + *Type:* String
  + *Required:* Yes
* **available\_stock**: Available stock of the item.
  + *Type:* Integer
  + *Required:* Yes

**Response:**

* Status Code: 201 Created
* Body: Details of the newly created item.

**Item Retreival**

Endpoint: GET /api/items/ Description: Retrieve a list of items with optional filtering. Parameters:

* category: Filter items by category. (optional)
  + Type: String
  + Required: No
* stock\_status: Filter items by stock status.(optional)
  + Type: String
  + Required: No Response:
* Status Code: 200 OK
* Body: JSON array containing the list of items matching the filter criteria.