The features that should be available in this applications are:

1. User Authentication for data manipulation
2. Add/Edit/Delete Items
3. Add/Edit/Delete Users
4. Add/Edit/Delete Locations
5. Add/Edit/Delete User Accounts
6. Add/Edit/Delete User Locations
7. Get all data requested relating to a particular item/user/location

The API endpoints would be as follows:

HTTP Verb	Endpoint	Description
POST	/user_accounts	Creates a user account. Requires `username`, `password`.
POST	/users	Creates a user. Requires 'name', `department`, `username`.
POST	/locations	Creates a location. Requires `name`.
POST	/items	Creates an item. Requires `general_name`.
POST	/users_locations	Creates a user link to a location. Requires `users_id`, `locations_name`.
GET	/user_accounts	Retrieves all records with all information from User Accounts.
GET	/users	Retrieves all records with all information from Users.
GET	/locations	Retrieves all records with all information from Locations.
GET	/items	Retrieves all records with all information from Items.
GET	/users_locations	Retrieves all records with all information from User Locations.
GET	/user_accounts/`str:username`	Retrieve all User Account information at the specified username.
GET	/users/`int:id`	Retrieve all User information at the specified record ID.
GET	/items/`int:id`	Retrieve all Item information at the specified record ID.
GET	/users_locations/`int:id`	Retrieve all User Location information at the specified record ID.
PUT	/user_accounts/`str:username`	Update User Account information related to given username. Can update `username`,`password`.

Method	Endpoint	Description
PUT	/users/`int:id`	Update User information related to given user id. Can update `name,department,username.`
PUT	/locations/`str:name`	Update Location information related to given name. Can update `name.`
PUT	/items/`int:id`	Update Item information related to a given item id. Can update `item_name,cost,`
		`lifespan,general_name,consumable_peripheral,` `assigned_user.`
DEL	/user_accounts/`str:username`	Delete User Account associated with given username.
DEL	/users/`int:id`	Delete User associated with given user id.
DEL	/locations/`str:name`	Delete Location associated with given location name.
DEL	/items/`int:id`	Delete item associated with given item id.
DEL	/users_locations/user/`int:id`	Delete all records relating to the given user from the User Locations table.
DEL	/users_locations/`int:id`	Delete a single record from the User Locations table by the given id.

The database name will be inv_mgmt, and will follow the ER diagram provided.