 **UserController**:

* **Create a user**: Register a new user with details like Name, Email, Phone, PasswordHash, and ProfileInfo.
* **Get user profile**: Retrieve user details including their profile information and favorite properties.
* **Update user profile**: Update user profile details, including the password, contact information, and additional profile details.
* **Delete user**: Delete a user account.

 **FavoritesController** (part of UserController or separate):

* **Add to favorites**: Add a property to a user's list of favorite properties.
* **Get favorites**: Retrieve all properties that a user has favorited.
* **Remove from favorites**: Remove a property from the user's favorites list.

 **PropertyController**:

* **Create a property**: Allow users to list their properties for rental.
* **Update property details**: Users can update details like Location, Price, ImageURL, etc.
* **Delete property**: Allow property owners to remove their listings.
* **Get property by ID**: Fetch property details using PropertyID.
* **Get all properties**: Retrieve a list of all available properties.

 **SearchController**:

* **Perform search**: Based on a search term (name, location, etc.), return a list of matching properties.
* **Save search results**: Save the search term and results (property IDs) for a user.
* **Retrieve user searches**: Get all past searches by a specific user.

 **FiltersController**:

* **Apply filters**: Filter properties by name, location, and maximum price.
* **Save filters**: Save applied filters for future use.
* **Retrieve filters**: Fetch a user’s saved filter settings.

 **TransactionController**:

* **Create a transaction**: Record a rental transaction with details like the rental period, monthly payment, total payment, and payment status.
* **Get transaction history**: Retrieve all past transactions for a user.
* **Update payment status**: Update the payment status (e.g., from pending to completed).
* **Cancel transaction**: Allow users to cancel a transaction if needed.

 **FilterPopupController**:

* **Track filter popup interactions**: Record when users interact with a filter popup and the filters they applied.
* **Retrieve popup filter history**: Get past filter interactions of a user.