Test 1: Personal Blog API

- **User Registration and Login**: Implement an endpoint where users can register and login with their email and password. Upon successful login, return a JWT for subsequent request authentication.
- **Blog Post CRUD Operations**: Implement endpoints to Create (POST), Read (GET), Update (PUT), and Delete (DELETE) blog posts. Use a third-party library or API to fetch sample blog post data.
- **Search Functionality**: Create an endpoint that allows users to search for blog posts by title.
- **Image Upload**: Integrate AWS S3 to handle image uploads for each blog post.

Test 2: News Aggregator API

- **News Fetch and Store**: Use a third-party News API to fetch news articles and store them in a MongoDB collection.
- **News CRUD Operations**: Implement endpoints for Create (POST), Read (GET), Update (PUT), and Delete (DELETE) operations on the stored news articles.
- **Filter and Search**: Implement endpoints that can filter news by category and search news by keywords in the title or content.

Test 3: Music Library API

- **Music Data Fetch and Store**: Use a third-party API to fetch music data (track name, artist, album, etc.) and store this in a MongoDB collection.
- **CRUD Operations**: Create endpoints to handle Create (POST), Read (GET), Update (PUT), and Delete (DELETE) operations on music data.
- **Search**: Implement a search functionality to find music by track name, artist, or album.

Test 4: E-commerce API

- **Product Data Fetch and Store**: Use a third-party API to fetch e-commerce product data and store this in a MongoDB collection.
- **CRUD Operations**: Implement endpoints for Create (POST), Read (GET), Update (PUT), and Delete (DELETE) operations on product data.
- **Search and Filter**: Create endpoints that allow users to search for products by name and filter products by category or price range.

Test 5: Social Media API

- **User Registration and Login**: Implement an endpoint where users can register and login. Upon successful login, return a JWT.
- **Post CRUD Operations**: Implement endpoints for users to Create (POST), Read (GET), Update (PUT), and Delete (DELETE) social media posts.
- **Follow and Unfollow**: Implement endpoints for users to follow and unfollow other users.

Test 6: Task Management API

- **User Registration and Login**: Implement a registration and login system, issuing a JWT upon successful login.
- **Task CRUD Operations**: Implement endpoints for users to Create (POST), Read (GET), Update (PUT), and Delete (DELETE) tasks.
- **Task Filter**: Implement a filter system to view tasks by their status: incomplete, in-progress, or completed.

Test 7: Movie Library API

- **Movie Data Fetch and Store**: Use a third-party API to fetch movie data and store it in a MongoDB collection.
- **CRUD Operations**: Implement endpoints for Create (POST), Read (GET), Update (PUT), and Delete (DELETE) operations on movie data.
- **Search**: Implement a search functionality to find movies by title, genre, or director.

Test 8: Weather App API

- **Weather Data Fetch and Store**: Use a third-party API to fetch weather data for various locations and store it in a MongoDB collection.
- **CRUD Operations**: Implement endpoints for Create (POST), Read (GET), Update (PUT), and Delete (DELETE) operations on the stored weather data.
- **Search**: Implement a functionality to retrieve current weather for a specific location.

Test 9: Recipe App API

- **Recipe Data Fetch and Store**: Use a third-party API to fetch recipe data and store it in a MongoDB collection.
- **CRUD Operations**: Implement endpoints for Create (POST), Read (GET), Update (PUT), and Delete (DELETE) operations on recipe data.
- **Search and Filter**: Create endpoints that allow users to search for recipes by name and filter recipes by ingredients or cooking time.

Test 10: Real Estate API

- **Property Data Fetch and Store**: Use a third-party API to fetch property data and store this in a MongoDB collection.
- **CRUD Operations**: Implement endpoints for Create (POST), Read (GET), Update (PUT), and Delete (DELETE) operations on property data.
- **Search and Filter**: Create endpoints that allow users to search for properties by location and filter properties by price range or property type.

NOTE:

1. You can utilize third-party APIs to obtain the necessary data
2. Timeline 5 - 6 Hours