Assignment

Design and implement a system to manage flowcharts with basic CRUD operations.

Each flowchart consists of nodes and edges that form a directed graph. Implement the following features:

1. Create Flowchart: Create a new flowchart with a unique ID, nodes, and edges.

2. Fetch Flowchart: Fetch details of a flowchart by its ID, including its nodes and edges.

3. Update Flowchart: Add or remove nodes and edges in an existing flowchart.

4. Delete Flowchart: Delete an existing flowchart by its ID.

Good-to-Have Functionality

1. Validate the graph.

2. Add an endpoint to fetch all outgoing edges for a given node.

3. Implement basic Swagger documentation for the APIs.

Brownie Points Functionality

1. Allow querying all nodes connected to a specific node (directly or indirectly).

2. Unit tests