Week 3 Report:

Subject: Fabric Experimentation and Learning Simulator (FELE) January 30th to February 5th weekly report

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Body:
The team was divided into 3 sub-teams. First sub-team (Sooraj Sivadasan Nair and Preethi Vuchuru) worked on JSON schema for creating a channel and channel configuration. Second sub-team (Thomas Pulickal Joseph and Shiva Phaneendra Reddy Medapati) worked on developing test cases for the existing CLI-fele commands. Third sub-team (Ramachandra Petla and Sesha Kumar Reddy Nallamilli) worked on implementation of Restful API. Each sub-team had meetings daily to fulfill the tasks allotted.

Accomplished tasks:

1. JSON schema for sample channel was developed.
2. Jest framework will be used for CLI testing.
3. Sample test cases were written for CLI commands.
4. Possible routes were created for the Restful API implementation.
5. Created an initial setup for Swagger documentation.
6. Project website is completed but waiting to deploy it.

Planned tasks:

1. To implement channel-create functionality in both CLI and Restful API.
2. To develop a JSON Schema Validator in Node JS to validate the JSON against the JSON Schema.
3. To follow a naming convention to define the JSON schema in the project.
4. To discuss about pros and cons for separating the policies of the channel configuration to another JSON as a reference or embed it in same channel configuration or think of any other design to make a justification for the final design chosen.
5. To develop test cases for CLI commands that will assert the expected results with actual results.
6. To log information about each test case (i.e.) what is the input, what is the expected results, what is the actual results and whether the test case passed or not.
7. To try putting all the FELE commands in one file, import this file in the test script, and then test the results with assertions.
8. To organize the routes for better maintainability in Restful API.
9. To setup postman to test the restful endpoints.