

# Team JSHD - Meeting 11/02/2021

## Meeting Goal:

- Show Alex our features that we've implemented so far.
  - Show a list of features that needs to be done until the end of the project.
  - Determine the acceptance criteria for all of the features.
  - Confirm the end dates for each of the features
  - What is "success" in each milestone?
- 
- Milestone 2: Setting up DB and implementing basic functionality + unit tests (done by: A2 deadline)
    - Create db/schemas and populate our downloaded guideline definitions (James)
      - Download a zip file of guidelines in json format from <https://build.fhir.org/ig/HL7/cqf-recommendations/definitions.json.zip>
      - Create a new database called "guidelinesdb"
      - Creates schemas
      - Create two collections for "plandefinitions" and "activitydefinitions"
      - Insert all of the plan/activity definitions from the zip file into the db
      - Verify that the db works by reading a few of the elements.
        - AC: I can write a program that can add data to the plan or activity definition collection or read any definition data from the 'guidelinesdb' database.
        - I want X so I can doY.
    - We should be able to read a list of all guidelines
    - create a unit test to verify it's functionality. (Henry)
      - AC: I should be able to use the /listDefinition endpoint to retrieve a list of all definition ids. I should be able to run the tests using docker, which runs all of our unit tests. The unit tests should include at least one test case for each "typical case" and several "edge cases" where appropriate. The group should review and accept all TCs at the end.
      - "Several" => put range as a guideline; define what several means.
    - We should be able to retrieve a specific guideline
    - create a unit test to verify it's functionality. (Daniel)
      - Creating different router endpoints depending on which guideline type is requested
      - AC: I should be able to use the get /<resourceType>/<id> endpoint to retrieve the specific guideline of <id>. I should be able to run the tests using docker, which runs all of our unit tests. The unit tests should include at least one test case for each "typical case" and several "edge cases" where appropriate. The group should review and accept all TCs at the end.

- We should be able to add a new guideline to the db
- create a unit test to verify it's functionality. (Stew)
  - *AC: I should be able to use the <endpoint> to retrieve the specific guideline of <id>. I should be able to run the tests using docker, which runs all of our unit tests. The unit tests should include at least one test case for each "typical case" and several "edge cases" where appropriate. The group should review and accept all TCs at the end.*
- We should additionally verify the above functionality using manual testing with Postman (Henry/Daniel/Stew)
  - *AC: Using postman, I can try at least all of the unit test cases (with several different varying inputs) using manual testing and receive the expected response.*

We will assign Milestone 3 responsibilities during Milestone 2.

- Milestone 3: Additional functionality + unit tests, integration tests, documentation (done by: A3 deadline)
  - ***Todo: Some of the plan definitions may reference activity definitions (consider for Milestone 3) -> Retrieve activity def referenced plan def.***
  - We should be able to update a guideline's json and create a unit test to verify it's functionality.
    - *AC: I should be able to use the <endpoint> to update the specific guideline of <id>. I should be able to run the tests using docker, which runs all of our unit tests. The unit tests should include at least one test case for each "typical case" and several "edge cases" where appropriate. The group should review and accept all TCs at the end.*
    - *Define what needs to be updated (ex. Version number).*
  - We should be able to delete guidelines and create a unit test to verify it's functionality.
    - *AC: I should be able to use the <endpoint> to delete the specific guideline of <id>. I should be able to run the tests using docker, which runs all of our unit tests. The unit tests should include at least one test case for each "typical case" and several "edge cases" where appropriate. The group should review and accept all TCs at the end.*
  - We should additionally verify the above functionality using manual testing with Postman
    - *AC: Using postman, I can try at least all of the test cases (with several different varying inputs) using manual testing and receive the expected response.*
  - Our test coverage at the end is  $\geq 75\%$ 
    - *AC: I can run jest with the --coverage flag and the result is  $\geq 75\%$  code coverage.*
  - We have written integration tests to verify the following functionality:
    - adding a new guideline to DB

- reading a list of all available guidelines (?)
  - updating guideline's json
- retrieve the guideline and verify contents
- delete the guideline.
- Should verify both activity and plan definition.
- *AC: Exactly as above. We should attempt some (specify how many) "atypical" cases similar to the respective unit tests.*
- We have either a website or readme in our github repo (undecided), which documents the following:
  - What our project is about.
  - What the various API calls do, how to use them and an example.
  - *AC: I can access the website or readme, which clearly states the purpose of the project and documents all API calls, how to use them and has an example.*

What is success?

- If we need all of the milestone, then we succeeded.

Minor changes to tech stack:

- Supertest to do testing for endpoints.

To do:

- Assign roles for milestone 3.
- Priority?