**Use cases for Lowe’s Tech Bootcamp 2023**

Students to apply the learnings learnt as part of learning and apply those learnings to build the usecase. Use the following technologies to build the usecase. Feel free to add if more technologies are required.

1. Build UI with ReactJS.
2. RESTfulAPI development with SpringBoot
3. Use Inmemory (H2 or HSQL) database
4. The code should be available in github on dailybasis(Students can push their code by end of the day/session)

**Usecase#1: Item Management**

**Item:**

* ItemID
* ItemName
* ItemStatus
  + Active, Inactive, Out Of stock, Online, Store Only
* ItemPrice
* ItemCategory
  + CategoryID
  + Category Name
  + Category Description
* Store
  + StoreID
  + StoreLocation
  + Quantity

**Features to be implemented**

1. Create an Item
2. Retrieve all Item details
3. Retrieve all Item details by Category
4. Retrieve details of one item with all details
5. update and delete and Item

**Usecase#2: Event Management**

* Event
  + Event Name
  + Event Description
  + Status (Created, Open, In-Progress, Completed)
  + Event Start Date
  + Event End Date
  + Location (Bangalore, Mooresville, Online)
  + Registrations
    - Participant First Name
    - Participant Last Name
    - Organization/Company Name
    - Designation
    - Email Address

**Features to be implemented**

1. Create an Event
2. Retrieve all event details
3. Retrieve all event details by location
4. Retrieve details of one event with all details
5. update and delete and Event

**Usecase#3: Online Survey Portal**

**Survey**

* Survey ID
* Survey Title
* Survey Description
* Questions
  + Question ID
  + Question Type
    - Multiple choice, Free text
  + Question Description
* Responses
  + User Id
  + Username
  + Answers

**Features to be implemented**

1. Create a Survey
2. Retrieve Survey details
3. Add responses to a survey
4. Display Word Cloud

**Usecase#4: Incident Management**

**Incident:**

* Incident ID
* Incident name
* Incident description
* Incident Priority
  + Critical, High, Medium, Low
* Incident Category
  + Hardware issue, Software Issue, Accessories issue
* Incident Status
  + New, Inprogress, Resolved, Rejected
* User Details (Who raised the issue)
  + User ID
  + User Name
  + User Department

**Features to be implemented**

* Create an incident
* Update the incident with more details
* Retrieve Incident details by User ID
* Retrieve all Incidents