Exercise 1

Technology Assessment

* Low Level Design
* Software Development Practices
* Hands-on Programming

YCompany Event Management

**Description**

Build an event management application using Angular 2 or above, which will have following screens:

1. Login pages having Mobile No & OTP authentication.
2. Event creation page which will have the following fields/features:
   1. Event Type
   2. Event Image, if no image is provided pick a basic image based on event type
   3. Event Location
   4. Event Date & Time
   5. Gender allowed in the Event
   6. Create Button
   7. Message label for showing success & failure
3. Event Listing Page which will have following fields/features:
   1. Event search based on text
   2. Event tile showing some basic info about the event
   3. Load more events as you scroll

Developed code should be pushed to GitHub with a clear README.md explaining how to build and run the code.

**Required Activities**

* Object oriented programming approach
* Good UI approach e.g. MVC, MVVM, MVP, etc. Please specify the pattern used
* Unit tests using Angular testing services to achieve good code coverage
* Code to be generic and simple
* Leverage today's best coding practices
* Clear README.md that explains how the code and the test can be run and how the

coverage reports can be generated

**Bonus Activities**

* Create scripts, e.g. Grunt, Gulp, etc. to:  
  o build the project from the command-line  
  o run unit tests and code coverage
* SonarQube report for the code showing its quality summary

Create a GitHub repository, ensure the name is generic and doesn’t have any company names. Commit your code to the GitHub repository and share the link with us. Only share a link, do not send the actual code files

Follow up Discussion

After completing the exercise please be ready for 15 minutes’ discussion on your key decisions, assumptions and rationale for your implementation.