**Seat allocation system**

**Problem statement:** There is no existing solution for allocating the seats. Operation team usually allocate a seat to newly hired resources and reallocate as well to shuffle the teams. To find out the vacant seat information is very complicate and time taking process.

While creating a solution to this problem following are the phases that needs to be follow:

* **Requirement gathering**: In this phase, you need to talk to affected party considering them as your client and show the empathy. Find out the requirement/features which your solution software or app should provide.
* Understand from Operation team what are the current challenges which this application needs to address.
* Create SRS highlighting all the gathered requirements.
* **(2 days)**
* **Analyze then Design and prototyping:** In this phase, you need to create schema and design with all relationship considering the software behavior and user interaction.
* Design UML Diagrams (Class Diagram & Use Case Diagram)
* ER Diagram
* **(5 days)**
* **Software Development:** This is the development phase, here you need to write all the code and develop your app/software as per analyzed and design work done in earlier phase. This should cover all the use cases.
* **(4-5 weeks)**
* **Testing: I**n this phase, testing should be on developed app, should match all the scenarios.
* **(1 week)**
* **Deployment:** Application deployment to live environment.
* **(1 week)**