METHODOLOGY

Holistically, the role of Agile in mobile apps is well-renowned and Scrum is the most commonly used sub domain of the agile methodology, which has quickly expanded to handling big, complicated projects that might have otherwise taken a lot of time to finish.

Used mostly by [mobile application development services companies](https://appinventiv.com/) or software based agencies, the scrum team break down their allotted work aka product backlogs in actions, which they could cover within the two-week cycles, also known as – “sprints.” By the completion of every sprint, the team is expected to produce a working mobile app, which they continue to work upon and improve.

Every sprint comes with a timeline that extends from 2 months to maximum 4 months. And each of them has these following components to make the [agile mobile app development](https://appinventiv.com/blog/reasons-why-we-trust-agile-for-our-mobile-app-development-process/)more efficient –

**1. Scrum Roles**

Product Manager – Aditi is responsible for overlooking what the team is working on and is also responsible for ensuring that the backlog is up to date.

Scrum Master – Khushboo is assigned to ensure that the agile scrum is followed rightly by the team. They are also responsible for overlooking how the team is performing and then resolving any issue that is coming up.

Scrum team –Khushboo,Aditi,Priyanshi are the ones who are actually doing the tasks. They own the development and testing part of the whole project.

**2. Product Backlog**

Handled by the product manager Aditi's job was to see product backlog, product backlog is a list of tasks that the team needs to perform. The modifications and priorities are set and controlled by the Scrum Master Khushboo which was forwarded to the scrum team and was then accordingly as and when needed.

* ERD –.
* DFD LVL 0-
* DFD LEVEL 1-
* DFD LEVEL 2-
* PERT CHART-
* PROCESS FLOW DIAGRAM –
* STATE DIAGRAM-
* SEQUENCE DIAGRAM –
* CLASS DIAGRAM
* ABSTRACT VIEWS

**3. Agile Sprint Backlog and Planning**

In this scrum methodology step, the ADIRA team decides on the backlogs they will be targeting on in the current sprint. Sprint backlog is the list of things the team plans on achieving in the delivery. Usually, sprint backlogs are divided into workable actions and once the team agrees upon the backlog items, the sprint begins.

* ERD –Delegated To Priyanshi. COMPLETED
* DFD LVL 0- Delegated To Product Owner. COMPLETED
* DFD LEVEL 1-Delegated To Product Owner COMPLETED
* DFD LEVEL 2- Delegated To Scrum Master. COMPLETED
* PERT CHART- Delegated To Scrum Master COMPLETED
* PROCESS FLOW DIAGRAM – Delegated To Scrum Master COMPLETED
* STATE DIAGRAM- Delgated To Scrum Master COMPLETED
* SEQUENCE DIAGRAM –Delegated To Product Owner COMPLETED
* CLASS DIAGRAM- Delegated To Priyanshi COMPLETED
* ABSTRACT VIEWS- Delegated To Priyanshi COMPLETED

### 4. Daily Scrum Meeting

Once the above steps of agile methodology are done and the team starts working on the product backlogs, a practice called daily scrum is initiated. A stand up daily meeting is held every day for 15 minutes. In the daily scrum everyone in the team tells about the last day’s work and the day’s plan. The daily scrum lets everyone in the team know of the whole project’s progress.

* 2020-04-08 - Meeting at zoom where we discussed State Chart and state diagrams
* 2020-04-09 – Meeting at zoom where we discussed Abstract views and Class diagrams
* 2020-04-10 – Meeting at zoom where we discussed about sequence diagrams and methodology