**5. Artifact planning**

**5.1. System requirements**

**5.1.1. Functional Requirements**

1. Farmer must be able to register into the system using their phone number and password. Both must be validated.
2. After the successful registration farmers must be able to login from both android and IOS devices.
3. After successful login farmer must be redirected to explore screen where there will be the list of all the experts related to different categories.
4. Farmers must be able to visit their profile and see their details.
5. Farmers must be able to chat, audio or video call experts as per their requirements if experts accepts the request.
6. Farmers must be able to search the experts by their name or domain of expertise.
7. Farmers must be able to add experts to their favorite list.
8. Farmers must be able to view notifications.
9. Farmers must be able update their profile information.
10. Experts……………………...

**5.1.2. Non-functional Requirements**

1. The app must have a simple and clean user interface.
2. The app must be responsive.
3. The app must handle more than 300 requests at a time.
4. The app must have good performance and reliability.
5. The app must be secure.

**5.2. Methodology**

**5.3. Languages and frameworks**

**5.3. System design**

**5.3.1. UML diagram**

**5.3.2. Activity diagram**

**5.3.3. Class diagram**

**5.3.4. Database schema**

**5.4. Prototypes**

**5.5. Testing Strategies**

**5.5.1. Unit testing**

**5.5.2. Integration testing**

**5.6. Evaluation Strategies**