# Annexure 1

**Task 1: User Requirements**

**Task 1a**

**Clearly outline the objective of the task (what are you going to do):**

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| **The objective is to create an educational application that allows users to test and develop their knowledge. The application should include features for user management (login/signup), test creation, and a community space to share creations. It is designed to be highly dynamic, with adjustable controls and different screen views to provide a flexible and engaging user experience. The application's core function is to assist learners in maturing their understanding of topics and improve the efficiency of the learning process.** |

**Task 1b**

**User stories**

Example of a user story:

**As a** … **I would like to** … **so that I can** …

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| As a … | I would like to … | so that I can … |
| Student | Login in and sign up for an account | Access educational resources and track my progress |
| Educator | Be able to create and upload tests | Assess my students’ understanding and provide them with new challenging concepts |

# Annexure 2

**Task 2: Acceptance test**

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| Acceptance test (when you know the user story has been completed) |
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**OR** complete the sentences below:

* The system shall provide a secure interface for new users to sign up and for existing users to log in to their accounts
* The system shall be able to seamlessly switch between different screens
* The system shall be able to resize the UI elements according to the screen space assigned to the application
* The system shall allow the creation of tests and the loading of test data from JSON objects
* The system shall allow the monitoring of a students’ performance

# Annexure 3

**Task 3: Navigation design between the different screens**

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# Annexure 4

**Task 4: Screen Design**

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| **Screen 1** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Components** | | | | | |
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| **Task 4**  **Screen 2** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Components** | | | | | |
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# Annexure 5

**Task 5: IPO table with validation**

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| **Input** | | **Processing** | **Output** | |
| **Type of Input** | **Input validation** | **(TWO Algorithms / pseudo code)** | **Output component** | **Format of output** |
|  |  |  |  |  |