**Funamentals of Software Engineering**

**Project Assignment**

**Iteration 0** (User Stories and Test cases)

**Insharah** (22i-1653)

**Ali Hassan** (22i-0541)

**Daniya Qasim** (22i-0462)

**Submitted to:** Zunaira Anjum

**User Stories and Test Cases:**

1. **Advanced Scheduling System:**

**User Story:** As a student, I want to be able to schedule a tutoring session with my preferred tutor.

**Test Cases:**

* + Verify that students can access the scheduling system.
  + Confirm that students can view the availability of tutors.
  + Ensure students can select a time slot for a tutoring session.
  + Verify that the scheduled session is reflected in the student's calendar.

1. **Comprehensive Review and Rating System:**

**User Story:** As a student, I want to leave a review and rating for my tutor after a tutoring session.

**Test Cases:**

* + Confirm that students can access the review and rating system.
  + Verify that students can submit written feedback about their tutoring experience.
  + Ensure students can assign a star rating to the tutor.
  + Confirm that the tutor's overall rating is updated based on student reviews.

1. **Personalized Learning Plans:**

**User Story:** As a tutor, I want to create a personalized learning plan for my student to track their progress.

**Test Cases:**

* + Verify that tutors can access the personalized learning plan feature.
  + Confirm that tutors can input customized study goals for the student.
  + Ensure tutors can track the student's progress against the set goals.
  + Verify that changes to the learning plan are reflected in the system.

1. **Real-time Messaging and Collaboration Tools:**

**User Story:** As a student, I want to be able to communicate with my tutor in real-time during a tutoring session.

**Test Cases:**

* + Confirm that students can access the messaging system during a tutoring session.
  + Verify that messages are delivered in real-time between students and tutors.
  + Ensure both students and tutors receive notifications for new messages.

1. **Secure Payment Gateway:**

**User Story:** As a tutor, I want to receive secure and timely payments for my tutoring services.

**Test Cases:**

* + Verify that the payment gateway is secure and encrypted.
  + Confirm that tutors can input their payment details securely.
  + Ensure that payments are processed accurately and in a timely manner.
  + Verify that both tutors and students receive payment confirmation.

1. **Resource Library:**

**User Story:** As a student, I want access to a repository of educational resources to supplement my tutoring sessions.

**Test Cases:**

* + Confirm that students can access the resource library.
  + Verify that resources are categorized appropriately.
  + Ensure students can upload and share educational materials.
  + Confirm that resources can be easily searched and downloaded.