Sprint 1: Test-Driven Development

Description:   
The primary objective for Sprint 1 is to develop the basic functionality that allows users to interact with the application. This includes a basic user interface, playback of musical notes, selectable answer choices, and feedback on answer selection.

Since the project is test-driven development, these features are represented by a series of tests included in our project using the Jest testing suite. Some of these tests have enough provided code to pass, while others fail and will need to be implemented properly over the course of the sprint.

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| **Requirement** | **Test Location** |
| **Note Generation:** The application must be able to generate and play a musical note within a predefined range. | NoteGenerator.test.js |
| **User Interface (UI):** Develop a simple UI where users can:   * click a button listen to the note as many times as desired. * select their answer from multiple choices. * change their answer after selecting. * submit their answer via a button. * view a message after submitting to see if their answer was correct or not. * view a new note button/question after submitting a previous answer. | ui.test.js |
| **Answer Validation:** Implement logic to check if the user's selection is correct or incorrect by comparing the user-selected answer to the predefined question-answer that corresponds to the music note generated/played. | question.test.js  questionManager.test.js |
| **Repeat Functionality:** Allow users to replay the note before submitting an answer. | NoteGenerator.test.js  ui.test.js |