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The Automated Study Application is a group project aimed to help young children with their studying for school. The application can generate a large number of unique tests on demand for a variety of subjects for students in grade levels 1 through 5. Users will be able to create accounts to see their averages in each subject as well as compare them to the test grades of other users throughout the application. Users will be able to test without worry as the tests will be AI-generated to make sure the tests are all unique. The application will recommend practice in subjects where the user is struggling in the most, to help bolster their skillsets in these fields. Through the development of the Automated Study Application, we aim to help improve the learning experience of students in grades 1 through 5.

**World Assumptions:**

Users have access to the internet and electronic devices.

Users are motivated to study topics for school.

Users are young students in elementary school.

**User Requirements:**

User interface is friendly to the point a young child does not get lost.

Access to AI-generated tests on a variety of subjects.

Ability to see the scores of past tests for each of the subjects.

Ability to see the average score of past tests for each of the subjects.

Community features to support the comparison to the average feature.

**Specifications and Interface Needs:**

Integration with AI.

User authentication and security for data storage.

Flexible application that works across multiple devices

**Program and Hardware**

Developing using Java and its frameworks.

Hosting the application using Firebase to use a backend.

Integration of necessary APIs to handle AI generation of the tests.