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The client requests the following features at a minimum:

* practice test materials
* tutorials
* printing test results/progress
* different level tests for each grade
* security(log-in, log-out)
* a reward for the user

This software works for grade k through grade 4.

| **Functional Requirements** | **Non-Functional Requirements** |
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| 1. The system shall be able to deny students from accessing subject matter that has not yet been unlocked by an administrator | 1. The system shall save the progress of a user |
| 2. The system shall be able to format a user’s progress in a way that can be printed onto a piece of paper | 2. Users shall have the ability to start from where they last left off |
| 3. The user shall be able to input their answers to any of the problems presented to them | 3. The system shall save answers inputted by users even if they haven’t been submitted |
| 4. The system shall be able to store the final grade for the user in a database. | 4. The system shall be able to store login information in a database. |
| 5. The system shall be able to display the final grade for the user. | 5. The system shall be able to allow retakes of tests should the user’s score be below passing |
| 6. The system shall be able to display the test progress in real time to the user. | 6. The password must have a lowercase, uppercase letter, a number, and a symbol for max security. |
| 7. The system shall be able to give out different types of tests depending on the user grade. | 7. The program shall play a short animation when a user correctly answers a question. |
| 8.The system shall have different responses for right and wrong answers, prompting users to try again for wrong answers. | 8. The system shall have multiple recovery options in case the user forgets their login credentials. |
| 9. While a user is working on problems for each grade level, the system must only generate questions based on the guidelines for that same grade level. | 9.The system must have stored guidelines for the types of questions that each grade level should encounter. |