

Criterion B - Planning

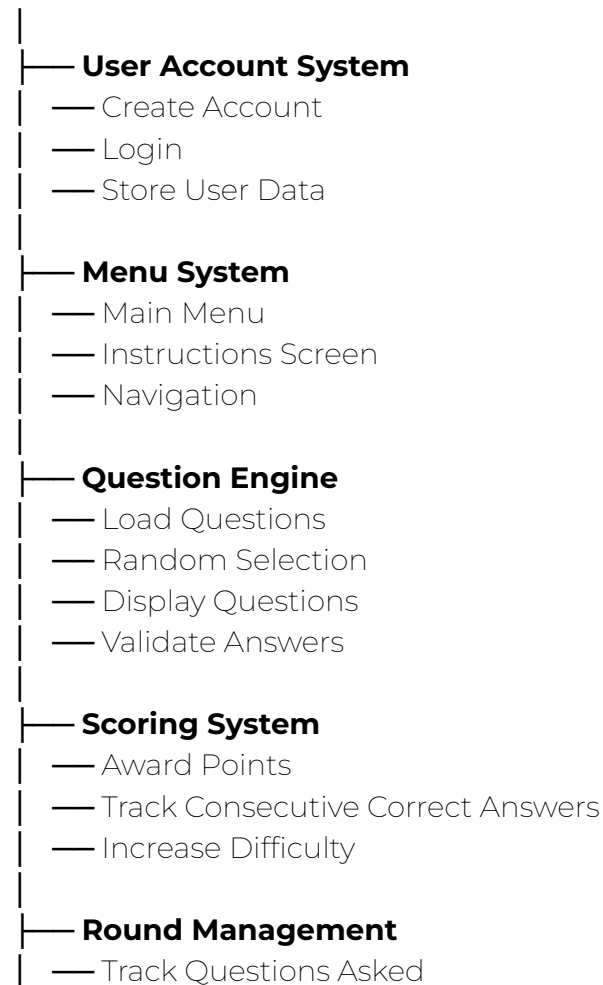
Recommended word count: 150 words

Now that a student has identified a problem with a set of measurable/testable success criteria, the question “How can I break the problem down into manageable chunks?”

Students are awarded in Criterion B for suggesting how they will break the big problem down into a series of smaller problems. This is known as **decomposition**.

One strategy is to identify a series of tasks¹ that need to be completed and place them in some sort of chronological order. For example,

Educational Quiz Game



¹ Note: there's nothing too technical yet eg UML diagrams, Pseudocode etc. That level of detail can be introduced in Criterion C

- End Round
- Continue / Exit
- **Leaderboard System**
 - Save Scores
 - Sort² Scores
 - Display Top 10

To meet the 150 word count, you can also create a description of each subsystem/module.

I recommend that you include some kind of timeline in this document and make sure you include module tests and at least one **Full System Test**. The examiner needs to know that you have taken the testing of the system seriously and methodically.

[GANTT chart](#) software might be a good way to produce a visualization of the time line.

² Note: a chance to use a sorting algorithm! Use what you have been studying in the course.