



Unit 1 Design Challenge

App Development Planning Guide

Requirement Analysis, Investigate, and Reflect

Check	Activity
	In Activity 1.1.1 Step 3, the class brainstormed topic ideas and each student investigated three from the list that they were interested in (Activity 1.1.2 Step 5, 6, and 7).
	In Activity 1.1.3 students made their final topic selection and this choice represented the teams for the semester.
	Activity 1.4.1 review the App Development Project Quiz App Challenge requirements.
	Activity 1.4.2 complete the Project Requirement Analysis.
	Activity 1.5.1 complete the Sprint Assignments.

Design Phase

The rest of the activities will take place in Activity 1.11 and Activity 1.12.

Check	Activity
	Brainstorm and discuss the layout of your quiz app.
	Use the example on the next page and the blank storyboard diagrams to design your app to meet the project requirements. Your storyboard should include buttons, text, and images that the user will see and interact with. You may write notes and draw arrows showing how the elements work together.



You have four screens below. Start your design process here.

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Code

Check	Activity
	Use the chart below to record documentation about your app.
	Use pair programming and debug as you work.

Element or Event	Action	What happens?
begin	click or touch "Begin"	Moves to the next screen to set the length of meditation.

Test

You will ask two classmates to test your app. While they are using the app, you are to observe them and take notes. You will answer some questions at the end of this section.

Check	Activity
	Ask two classmates to test your app.
	Have them read the program specifications and requirements.
	Have the classmates test the app.
	Have classmates use the chart below to write down anything confusing or broken.
	Have classmates offer recommendations for improvement.

Name	Confusing or Broken?	Recommendations for Improvement

While you observed your classmates using the app, what did you observe? Did they use the app with ease. Were there any times that they were frustrated and couldn't figure out what to do next?

Iteration

Check	Activity
	Choose at least one recommended improvement and revise your app.
	What did you choose to change and why? Write your answer here.