Griffith Samore
CSCI 352
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Dr. Gabriel Ferrer

Purpose: Level Up is an app for average consumers who want to check if a surface is level, or if two surfaces are parallel.

In Scope	Out of Scope
Comparing current phone angle to another angle	Automatically switching between leveling modes
Setting an angle of comparison	

Stakeholder: User

Interests: User wants to get information on a surface's angle.

Use Case 1: Choosing measuring mode

Actor(s) and Goal(s): User – Wants to select the preferred measuring mode (Portrait, Landscape, or Flat).

Precondition(s): User has opened the app.

Trigger: Student presses the associated Measuring Mode button.

Minimal Guarantees: Level Up doesn't crash.

Success Guarantees: Level Up navigates to the correct Measuring Mode screen and begins to provide live feedback.

Main Success Scenario:

1. User notifies Level Up of which Measuring Mode they wish to enter.
2. Level Up navigates to the correct Measuring screen, displaying the current orientation and the "neutral" orientation of the phone on the relevant axes.
3. Level Up continues to update itself based on Accelerometer data.

Use Case 2: Locking in a comparison angle

Actor(s) and Goal(s): User – Wants to check how level two surfaces are relative to each other.

Preconditions: Level Up is on one of the Measuring Mode screens.

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Trigger: User presses the Lock Orientation button.

Minimal Guarantees: Level Up does not crash.

Success Guarantees: Level Up sets a comparison orientation and displays the relevant information.

Main Success Scenario:

1. Level Up clears any previously saved comparison orientation.
2. Level Up saves the current phone orientation and displays it alongside the “neutral” orientation and the current orientation.