

AR – Room Measuring App

(Mini Mockup Version)

SCOPE - We are looking to have an app developed using Augmented Reality that will measure a room (inside a home) and have a floor plan automatically created with dimensions. The result will give the User the ability to see and print the results in 2 - D. We would like to model our application to that it resembles “AR Plan 3D”, for Android only. GO to: <https://apkpure.com/arplan-3d-tape-measure-ruler-floor-plan-creator/com.grymala.arplan> .

CONCEPT *CEILING/WALL:* As you can see when viewing many room measuring apps on the market, all of these apps are taking measurements at the floor / wall corners. We would like to develop our app so that the measurements are taken at the “CEILING/WALL” intersection. For reasons we can discuss later, we feel that this method is more accurate when measuring. In other words, we would like to reverse the measuring mode from the floor and make it on the ceiling.

Other apps on the market measure from the floor up to the ceiling. We want to do the reverse. As shown on the right. Start from top, measure all top corners, and then drop down towards the floor to get the height of the ceiling.



OUTPUT – Produce basic “2-D “ floor plan from the measurements obtained from when User clicks on ceiling corners during the scanning.



SUMMARY – Create points on ceiling corners of room.

Get height of ceiling by establishing a point on floor.

Then create basic Floor Plan.

END