Snap Sudoku

Description

This app will allow you to take a picture of a Sudoku puzzle and then will show you the answer

Specifications

Show a camera on screen with an overlay to help the user align the puzzle. Tap the screen to take the picture.

Extract the numbers from the image. If there is an error, show a popup box with a message and return to camera screen.

Next screen shows the solved puzzle as a graphic. On this screen, there will also be a back button to return to the camera.

Future updates

Challenge mode- the user will take a picture of the puzzle and then select the amount of time that they think they can solve the puzzle in. After the selected time, the phone will send a notification and show the answer.

Add some ability for the user to input their answer and if they enter it correctly, before the time has expired, they will get points based on how long it took them, (not relative to the timer).

Add preset puzzles that the user can solve on the phone. Users could get points for this as well depending on time and difficulty of the puzzle (this would require a lot of other things, like ability to put multiple possibilities in the same square for example).

More points will unlock more difficult puzzles.

Add Facebook connectivity, to allow users to compare their point totals to their friends and post their times on certain puzzles.