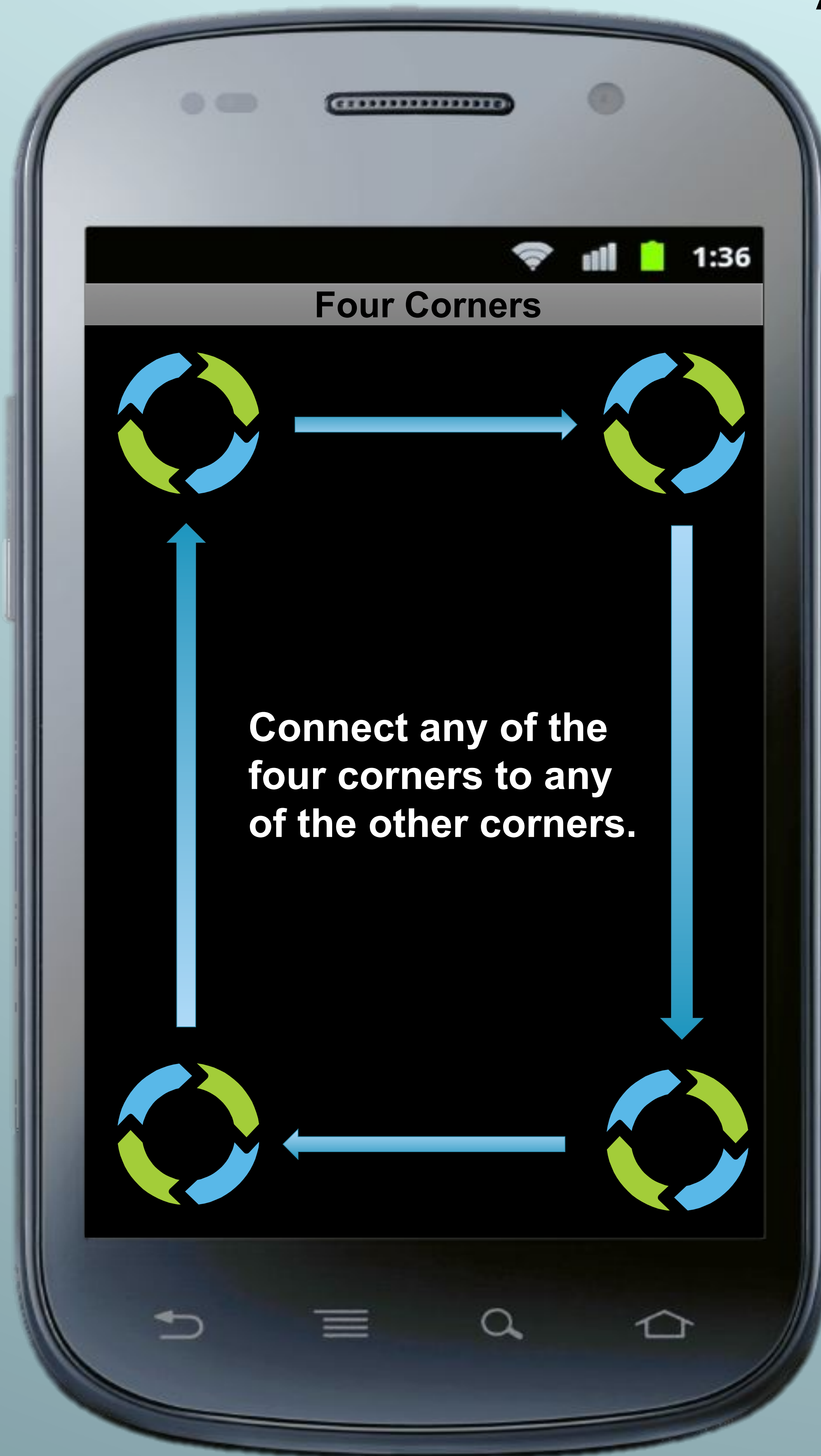




BPass : Nonvisual Passcodes



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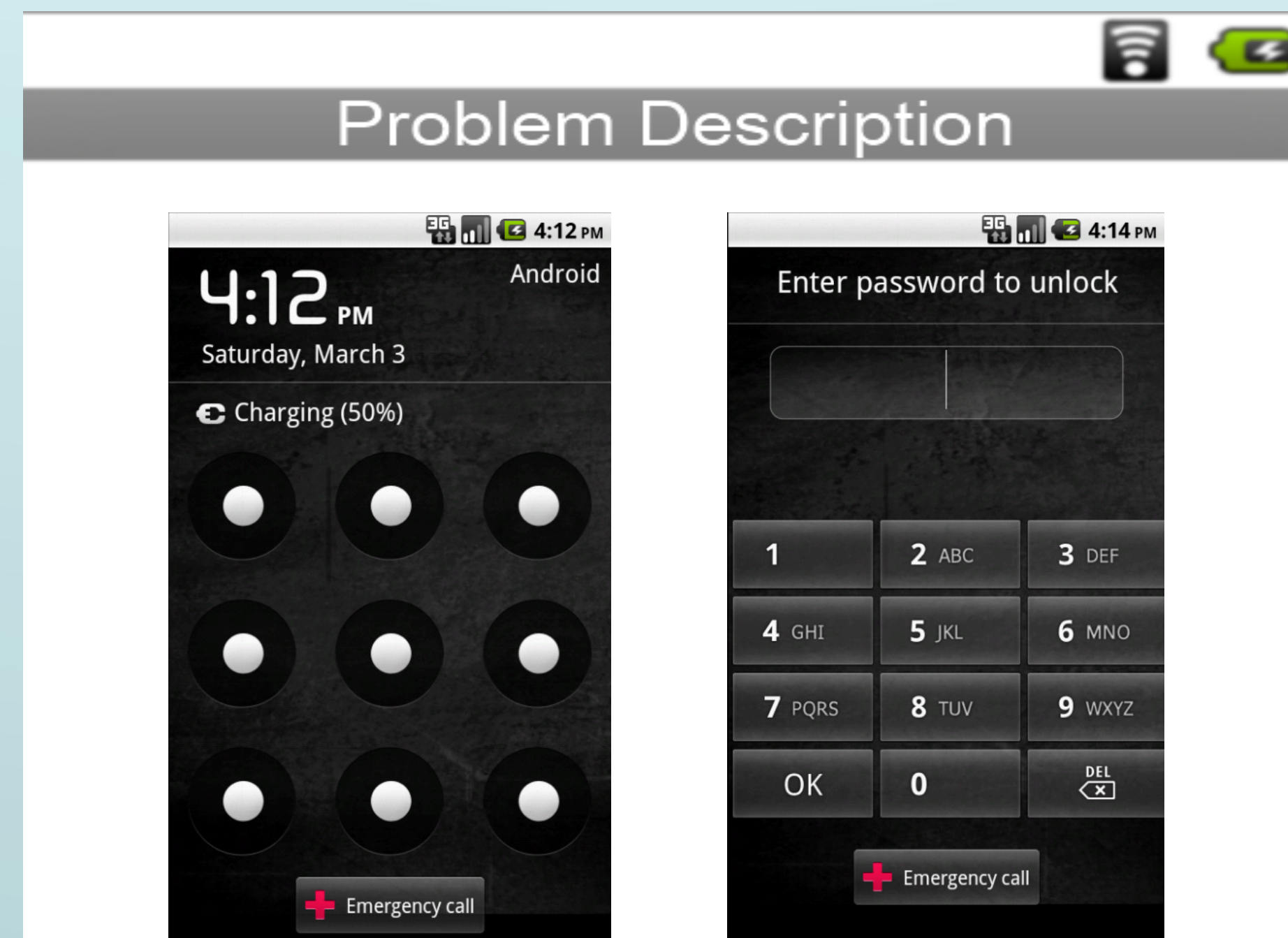
Connect any of the four corners to any of the other corners.

Strength

- Prior knowledge is not required to use the application.
- Intuitive design and passcodes are easy to remember

Weakness

- Difficult for blind people to find the four corners
- High risk for nearby people to see and remember the passcode



The previous lock screen applications are not accessible for unsighted people.

There is no easy pattern for them to use and there is no protection to keep the passcode secure.

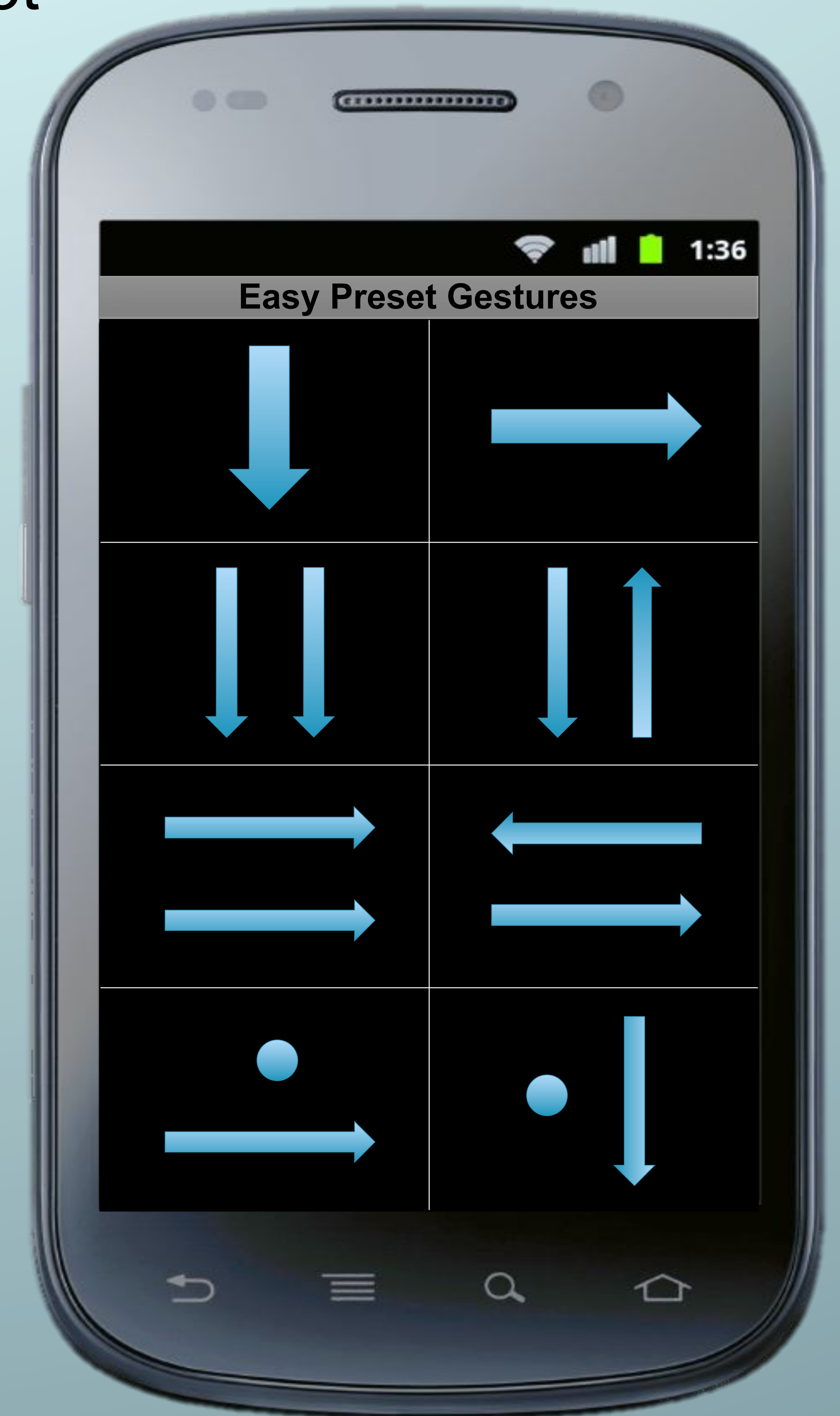


• 4 Corners

Faster and easier patterns to use for larger screens sizes.

• Easy Preset Gestures

Improve programming algorithms to improve the recognition rate. Even for old machines with poor touch sensitivity



Strength

- Once you learn the gestures, the application is easy and fast to use.
- Many possible passcode combinations.
- Passcodes can be entered discretely, making passcode's more difficult for others to see and remember

Weakness

- Difficult to learn gestures for the first use.
- Old machines' touch sensitivity are not very accurate, therefore there exist the possibility of the incorrect recognition of gestures.