

## **Rong (v1.0)**

**Rong (ꠘꠞꠟ)** is a helpful application for visually impaired people, where they can browse internet and get a description of their captured photos.

Features:

- Real time image captioning ability
- Web (Wikipedia) browsing using voice command
- Voice command navigation
- Text to speech availability

After launching the app, it will wait for one of the 2 commands. One is “Web” and another is “Caption”.

If app gets the command “web”, it will take the search keyword as input and shows the information as well as read out loud to the user.

If app gets the command “Caption”, it will wait for capturing an image. When the user captures an image it will describe the image to the user.

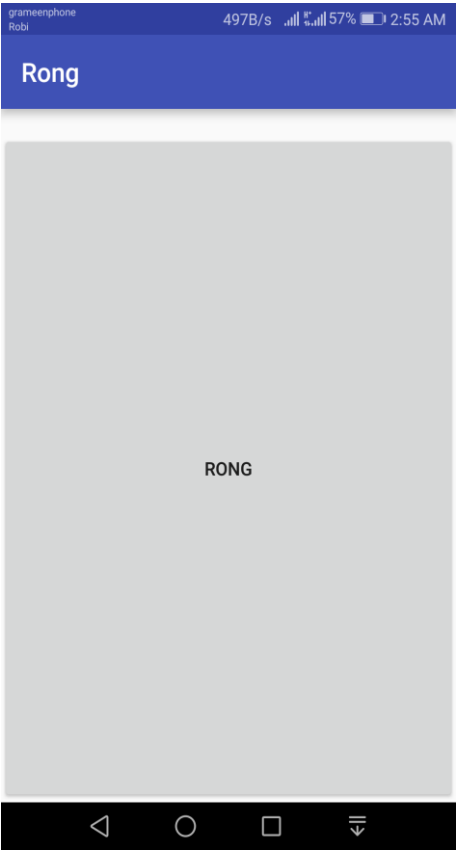
Instruction:

1<sup>st</sup> Activity

“Hi, Welcome to RONG:”  
“Say, **WEB** for web browsing.”  
**Caption** for capturing"

"Tap, anywhere to start  
recording”

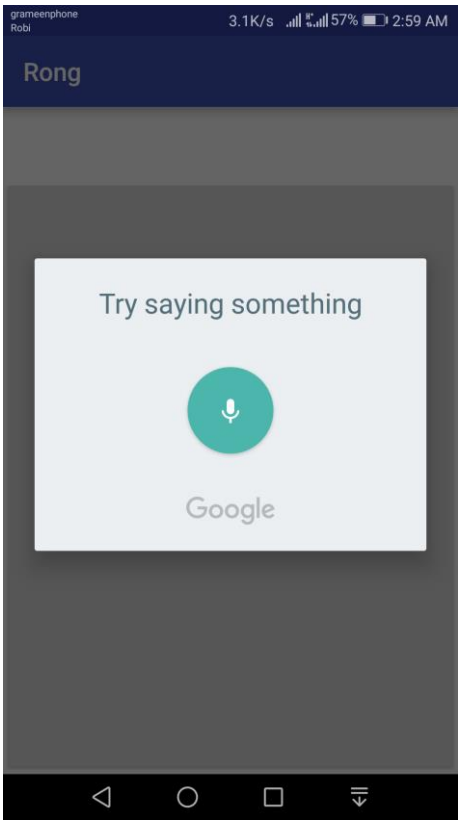
**Command: Press on Screen**



2<sup>nd</sup> screen

Trying to listening.....

**Command: Say Web or  
Caption**

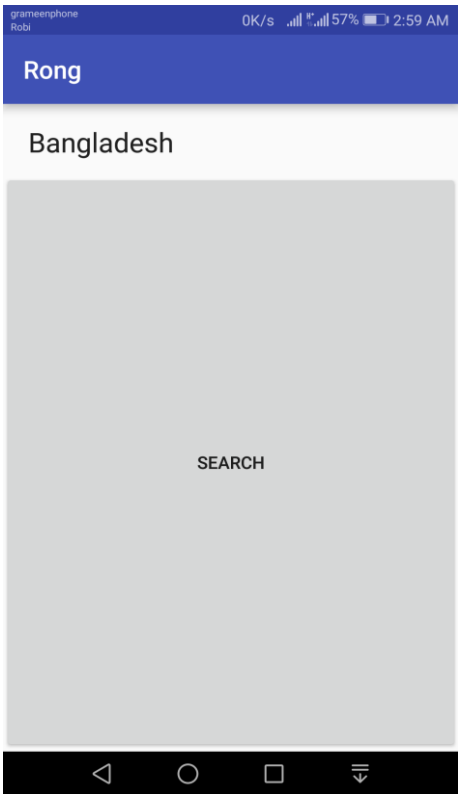


If you say “**Web**” then,

2<sup>nd</sup>Activity

“Welcome to Web search. Tap anywhere to start searching.”

**Command: Press on screen.**

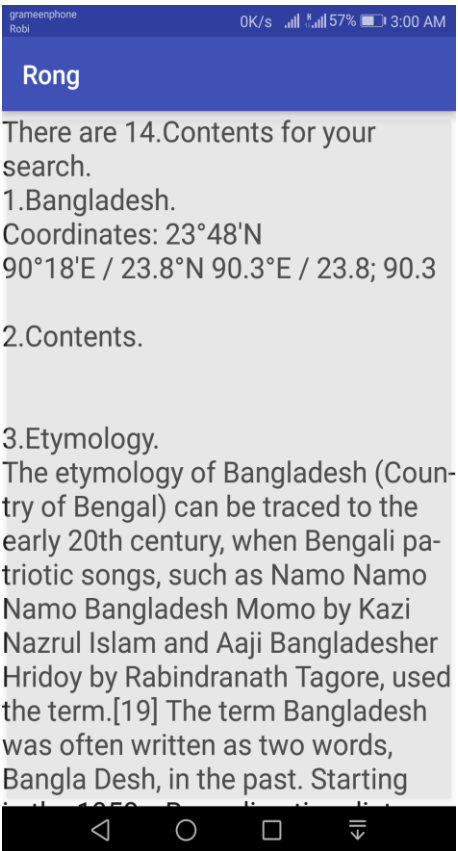


Trying to listening.....

**Command: Say, whatever you want to search.**

Search result is showed on screen

**Command: Press on screen again.**



Search result will be spoken out

**Command: press for another search.**

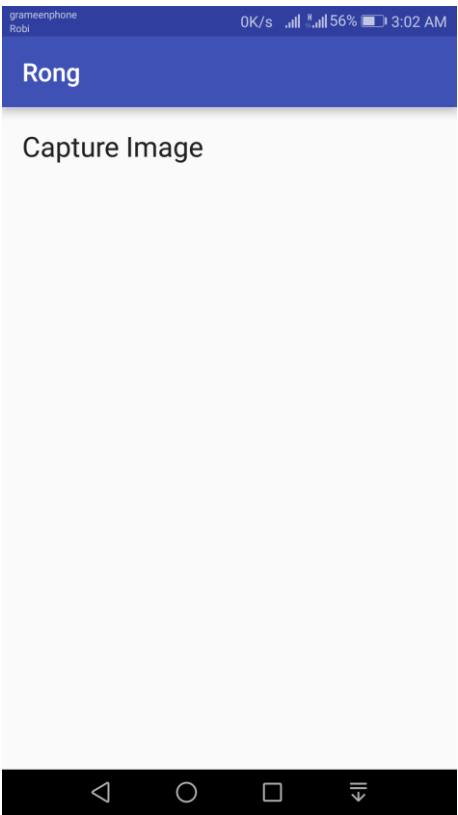
**Command: long press to go to home page**

If you Say “**Caption**”

2<sup>nd</sup>Activity

“Welcome to Captioning.”

**Command: press on screen  
turn on camera**



**Capture the image and press ok.**

Wait for picture uploading.



Then device will speak the corresponding caption of the uploaded image.

**Command: press on screen for taking another caption and go to camera.**

