Epic

* Story
  + Tasks

Create a multi feature Android app to assess blood sample for malaria

* Train Convoluted Neural Network to identify malaria in blood smears
  + Train a classifier using nih(filename) images (differentiate, WBC, RBC, Parasitized)
  + Develop CNN segmentation using ucl(filename) images (segment parasite vs background in thick smear)
  + Test classifier and segmentation together on rest of data set
* Develop Database to store information
  + Create SQL database
* Develop app front end UI
  + Start Screen
  + Image Acquisition
  + Result Visualisation
  + Slide info entry
  + Data Upload
* Deploy trained Network to app using TensorFlow (<https://www.freecodecamp.org/news/machine-learning-for-mobile-and-embedded-devices/> )( <https://www.tensorflow.org/lite>)
  + Convert CNN to a suitable format for TensorFlow lite using TensorFlow Lite converter (<https://www.tensorflow.org/lite/convert/index>)
  + Deploy CNN on mobile device using TensorFlow Lite interpreter (<https://www.tensorflow.org/lite/guide/inference>)

Share function to allow sharing of results quickly and instantly