



Bookse

Bookse Android App

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Bookse

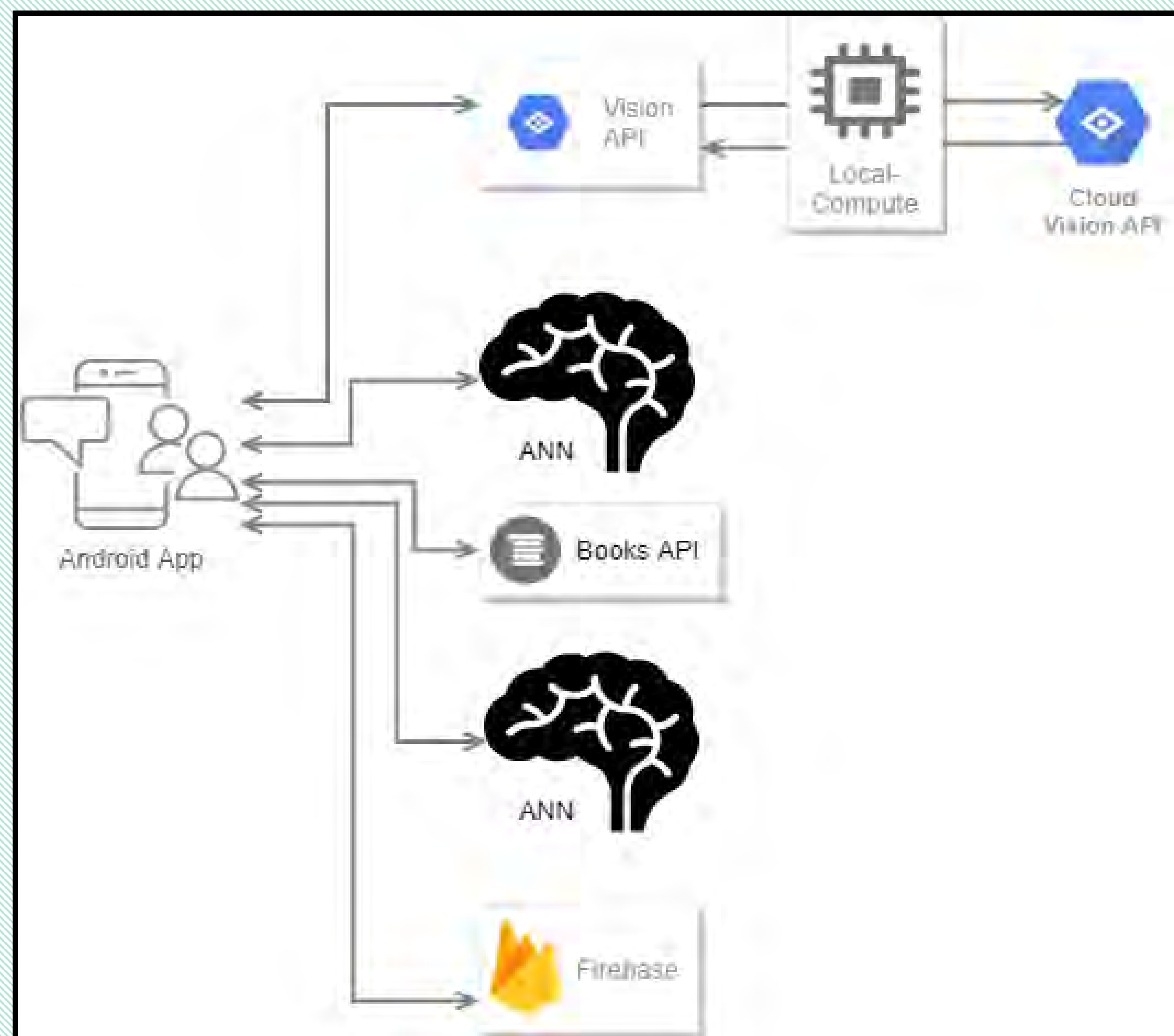
PROJECT OVERVIEW

Now that mobile phones are ubiquitous, it has become easier and faster to snap pictures of things. However, using the phone's camera to identify objects and query info about that object is still a work in progress.

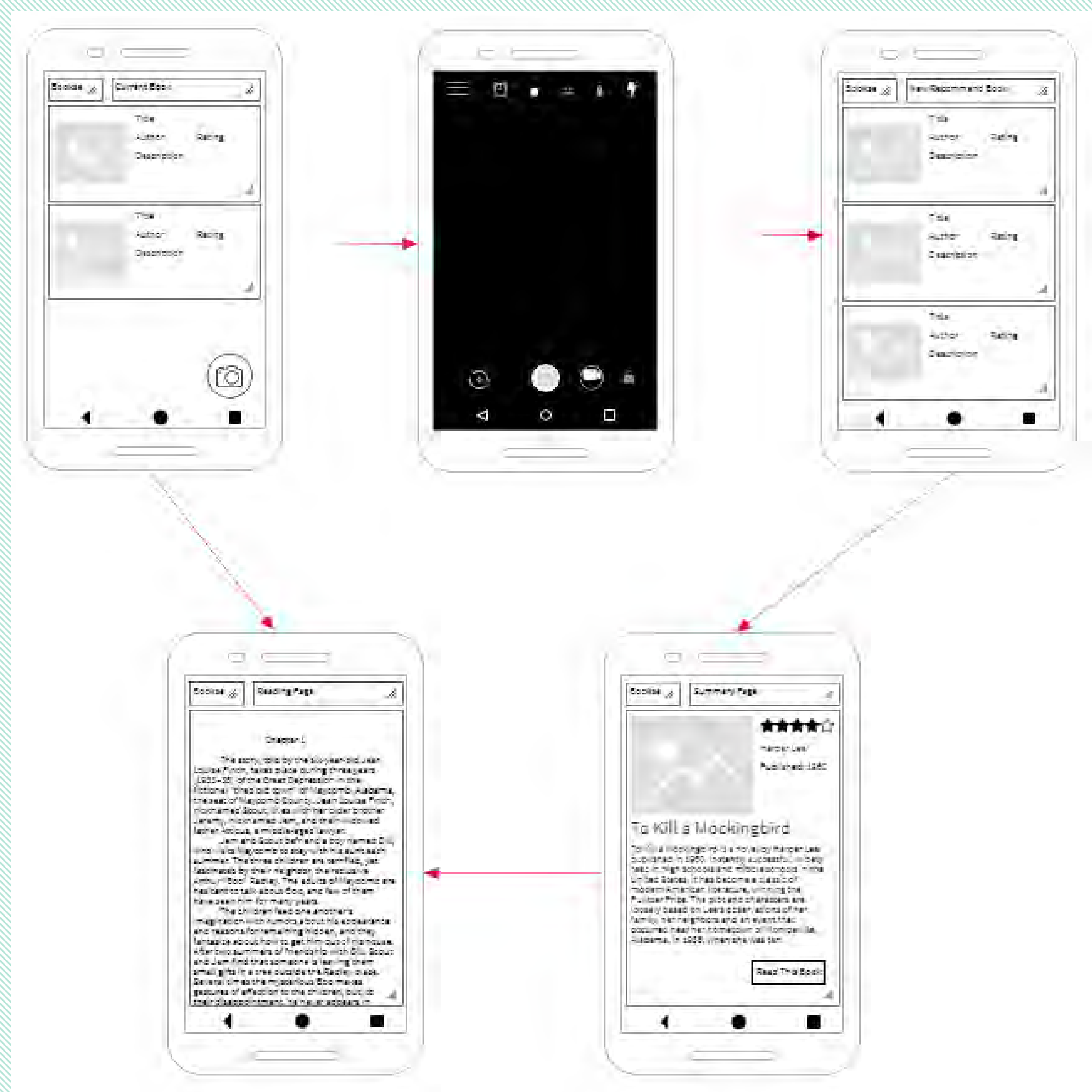
To this end, we intend to demonstrate the convenience of using a mobile phone camera to identify an object and provide relevant results back to the user.

The user will take a picture of a book cover in the mobile application, automatically send the picture to a server-side web application to identify the ISBN using a trained artificial neural network of book covers, then retrieve the corresponding metadata and recommendations from a database. Finally, the web application will send the results back to the mobile app which will show the user various recommendations of similar books, movies and merchandise.

DESIGN



ANDROID APP UI



FEATURES

- OpenCV Computer Vision (Shown on the right)
- Firebase Backend
- Google Books API
- Android App
- ANN (Artificial Neural Network)
- Cache of Previous Searches
- Book Recommendations

