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Submission Instructions
1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"

GitHub Username: tsato1

ProMatch Android

Description

ProMatch Android is a powerful tool to keep you motivated during your job search through success stories (Youtube videos) and tweets which are full of tips and encouragement. Job hunting is a tough process. A lot of rejection, not sure what was wrong in interviews, tried different things but haven't gotten good results, etc. ProMatch Android is here to help you reach right information in a simplest way.

1. Success Stories

Success Stories are three-minute talks from those who got the job through ProMatch. They share what they did, experience and what was effective in their job search so that the fellow ProMatchers gain new perspective / confirm what they are doing is right.

2. Tweets

ProMatch has a Twitter account (@NOVAProMatchSV) to share job searching tips, ProMatch news, and other important things. You are fed by useful information such as what has been recently controversial in job search field and industry. Sometimes the information is beyond job search such as life and psychology.

ProMatch Android works as a hub that provides these two crucial information resources in one place.

*ProMatch is an interactive career resource center for professionals who are seeking work in the greater San Francisco Bay Area. ProMatch is sponsored by the California Employment Development Department (EDD) and the NOVA Workforce Investment Board. It is part of the NOVA Job Center, which provides a full array of employment and career services.

Intended User

ProMatchers - those who go to the organization called ProMatch, Sunnyvale CA
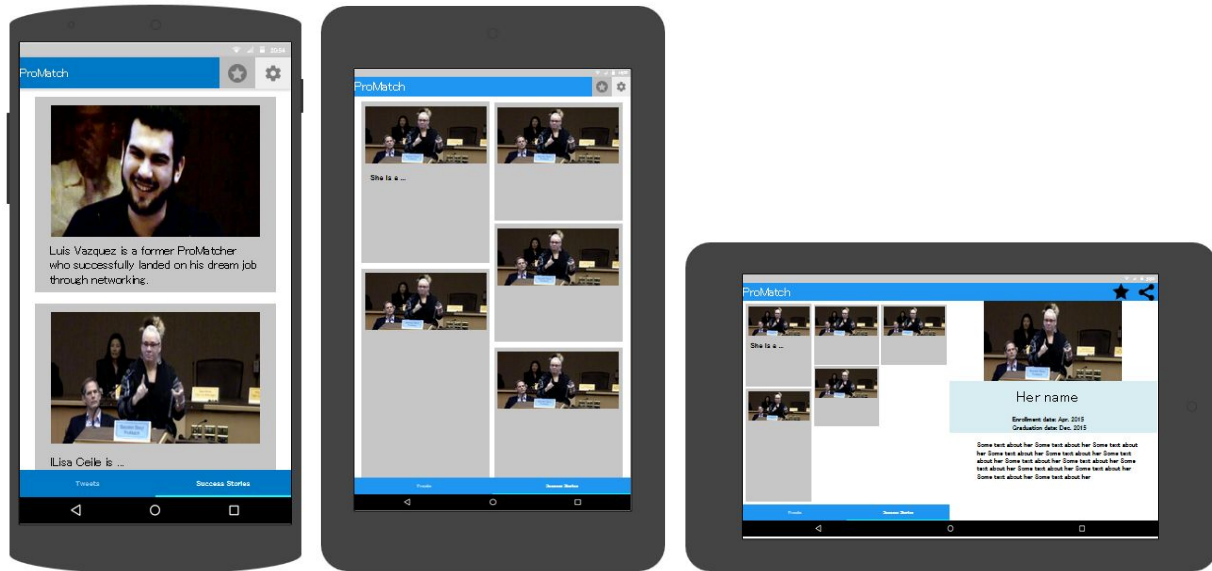
Features

- Displays success stories (Youtube videos)
- Displays tweets from ProMatch
- Saves success stories as favorites
- Saves tweets as favorites
- Provides content sharing for youtube link and tweets
- Provides seamless user experience with ViewPager

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.
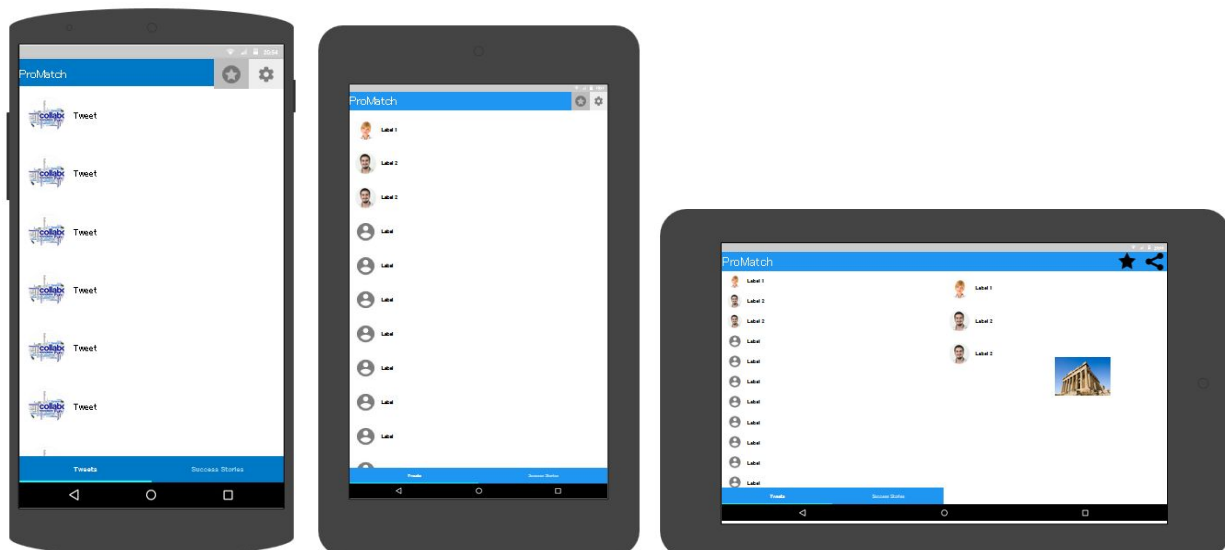
Screen 1

Success Stories List Page
- Displays success stories in chronological order.
- A tap on thumbnail picture will navigate user to Success Stories Detail Page
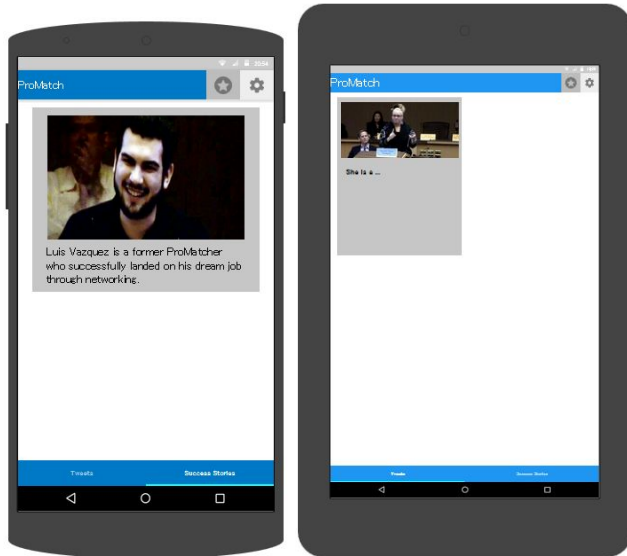
Screen 2

Tweets List Page
- Displays tweets in chronological order

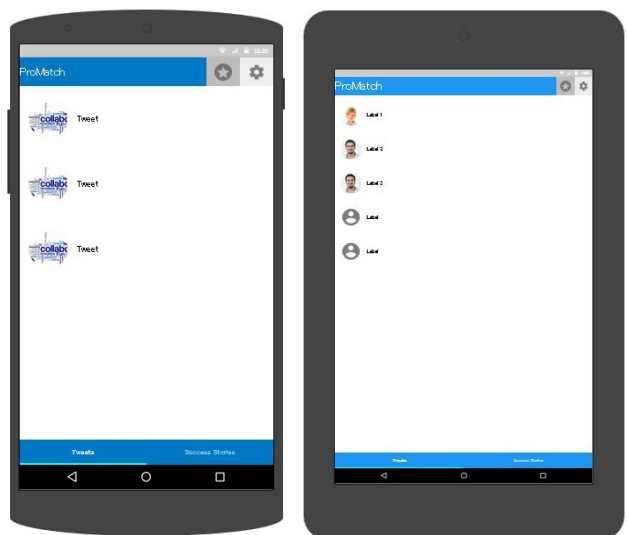- A tap on a tweet will navigate user to Tweets Detail Page

Screen 3

(Tablet landscape: same as Screen 1)

Success Stories Favorite Page
- Displays all the success stories marked as favorite by user
- A tap on thumbnail picture will navigate user to Success Stories Detail Page
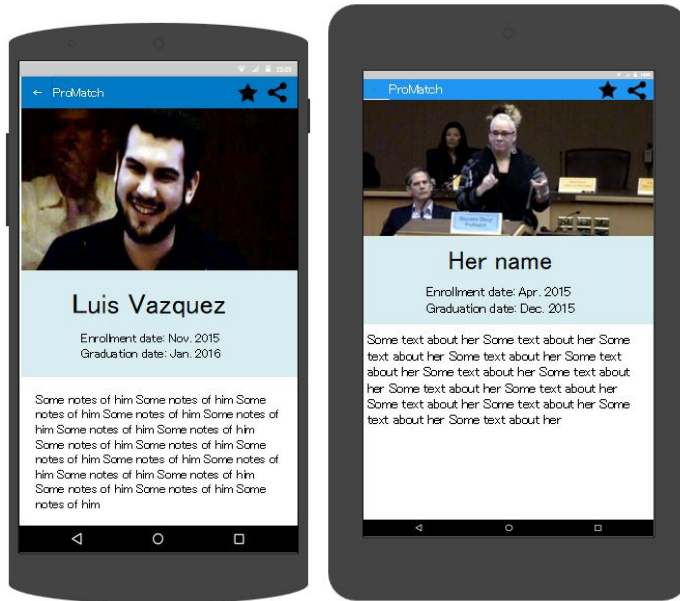
Screen 4

(Tablet landscape: same as Screen 2)

Tweets Favorite Page
- Displays all the tweets marked as favorite by user

● A tap on a tweet will navigate user to Tweets Detail Page
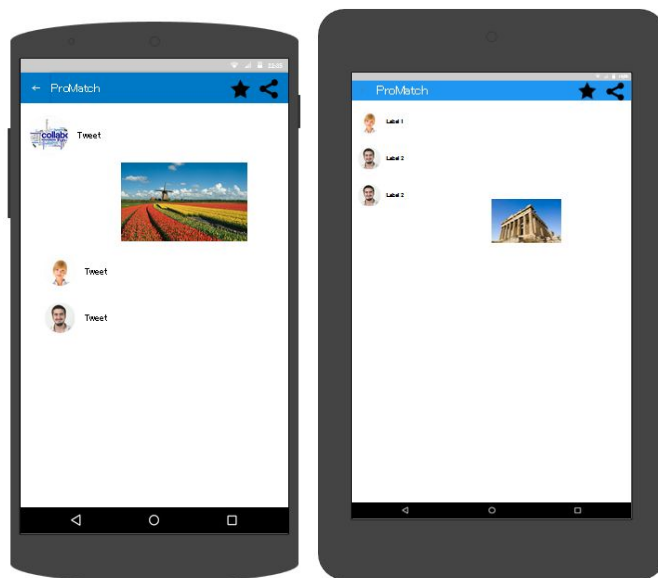
Screen 5

(Tablet landscape: same as Screen 1)

Success Stories Detail Page
● Displays detail of success story user selected

Screen 6

(Tablet landscape: same as Screen 2)

Tweets Detail Page
● Display detail of the tweet user selected

Key Considerations

How will your app handle data persistence?

- Content Provider wrapping sqlite database
  - To store favorite success stories and tweets
- SavedInstanceState
  - To store current screen orientation
  - To store text, flag (favorite or not) to
- Sharedpreference
  - To store

Describe any corner cases in the UX.

- Screen orientation change or pressing back button during data transaction

Describe any libraries you'll be using and share your reasoning for including them.

- Picasso to handle the loading and caching of images
- ButterKnife to find views by id
- OkHttp to fetch data from twitter database

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Configure libraries
- Disable instant run
- Install the latest version of gradle, tools
- Run Hello world app

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity that contains SuccessStoriesFragment, TweetsFragment
    - SwipeRefresh Layout
    - Cardview
- Build UI for FavoritesActivity that contains FavoriteSuccessStoriesFragment, FavoriteTweetsFragment
    - SwipeRefresh Layout
    - Cardview
- Build UI for SuccessStoryDetailActivity, TweetDetailActivity
    - Custom layout that makes picture scroll at different speed from the rest
- Make sure dual pane works

Task 3: Data retrieval from Youtube and Twitter

- Set up accounts and get api keys
- Retrieve necessary data with http GET request
- Show data on screen

Task 4: Data handling

- Build Content Provider
- Make sure saving to sqlite database works
- Make sure reading from sqlite database works

Task 5: Test

- Check data persistence
    - On page change
    - On orientation change
    - On back button pressed
    - On relaunch
- Implement Unit tests

Add as many tasks as you need to complete your app.

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