How to Use this Template
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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: nimit95

Clash Helper

Description

Clash Helper allows you to know the most popular videos of Clash of Clans on youtube. Users can also search for players profile with their player tag and get to know about the war stars, league batch, achievements, troops info etc.

Intended User

Clash of Clans players

Features

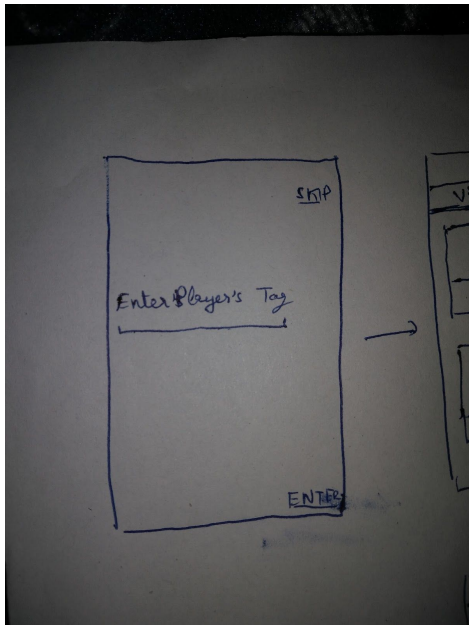List the main features of your app. For example:
- Allows user to search for themselves and other players by their tags
- Allows user to get the trending videos on Clash of Clans to stay up to date.

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.
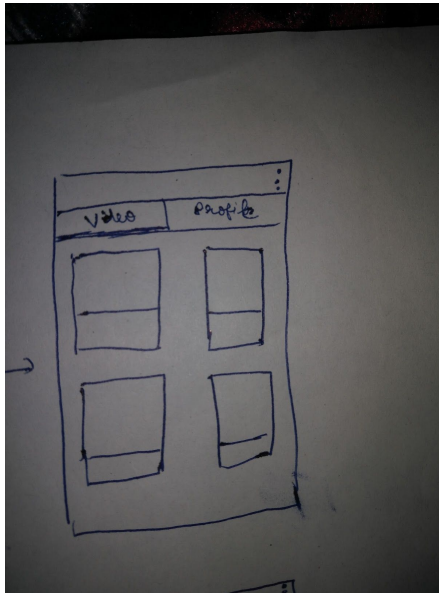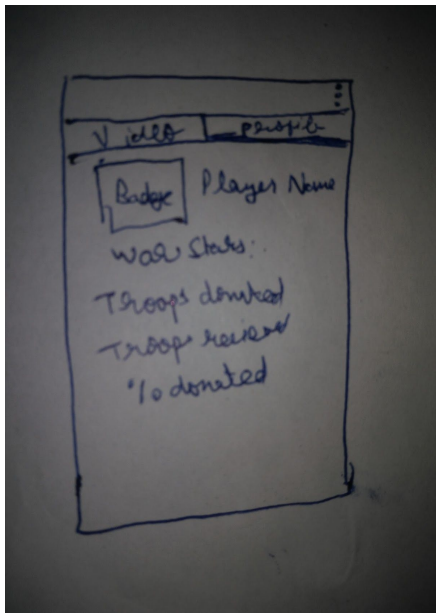
Screen 1

Replace the above image with your own mock [click on the above image, then navigate to Insert → Image…]
Provide descriptive text for each screen
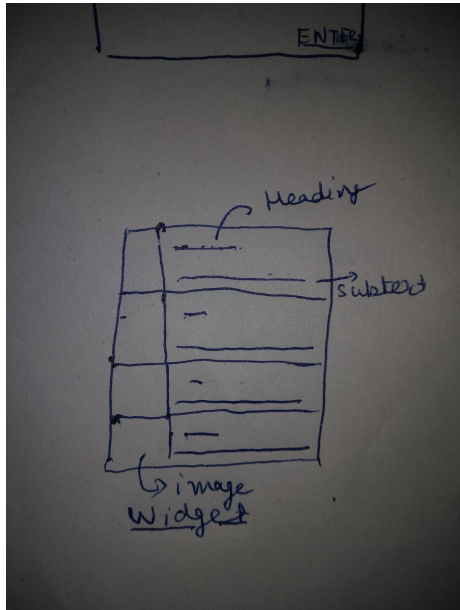
Screen 2

Screen 3

Replace the above image with your own mock [click on the above image, then navigate to Insert → Image…]
Provide descriptive text for each screen

Add as many screens as you need to portray your app's UI flow.

Widget Screen

Key Considerations

How will your app handle data persistence?

Content Provider backed by SQLite will be used to store the data. Content Providers will be generated by using Schematic Library.

Describe any corner cases in the UX.

When on searching screen user can swipe left to return to main videos screen.

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

● Schematic for Content Providers.

● Picasso for loading Images.

● OkHttp for network calls.

Describe how you will implement Google Play Services.

● Google Analytics.

- AdMob for displaying ads.

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

- Determine Columns for database.

- Configure SQLite and Schematic to make Content Provider.

- Configure YouTube and Clash of Clans API.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:
- Build UI for Main Activity - ListView for displaying cards.
- Build UI for Search Activity
- Build UI for Cards

Task 3: Functionality

- Integrate database with List of Videos Activity
- Add Clash of Clans on Search Activity
- Store result of Youtube API to database.
- Use AsyncTask to get response from Clash of Clans and Youtube API to store it in database.

Task 4: Handle Error Cases

- Handle Screen Rotation and state changes.
- Handle Error Cases - adding,editing,deleting,displaying

Task 5: Enable Google Services and Make Widget

- Enable AdMob on Main Screen
- Enable Analytics on Main Screen
- Build Widget for easy access of popular videos.
- Final touches and Code Cleanup

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

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