SMART IMAGE SHARING PLATFORM

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AIM

To design a simple and intuitive **Smart Image Sharing Application.**

- Easy to use
- Smart features like automatic image captioning
- Free from profane and/or offensive content
- Supporting a budding community of enthusiast photographers

OBJECTIVE

To build a smart system which is used to share images by photographers worldwide, providing them with multiple intuitive features.

Feature highlights:

- Automating tasks
- Statistical Image Ranking(Upvotes/Downvotes)
- Computer Vision (Automatic Image Captioning)
- Image Processing (Obscene Image Detection)
- NLP (Offensive text detection)

MOTIVATION

- Current systems poorly aligned with the vision of a smart platform

- Users post all types of content and there is little or no moderation

- To build an easy to use platform and influence the photography community

INTRODUCTION

Keeping in mind the popularity of image sharing sites, we aim to design a fully fledged system that can:
- Allow Image Sharing.
- increasing user engagement and interactivity.

PURPOSE

- To provide a portal for the rapidly emerging online photo sharing community to showcase their talents.
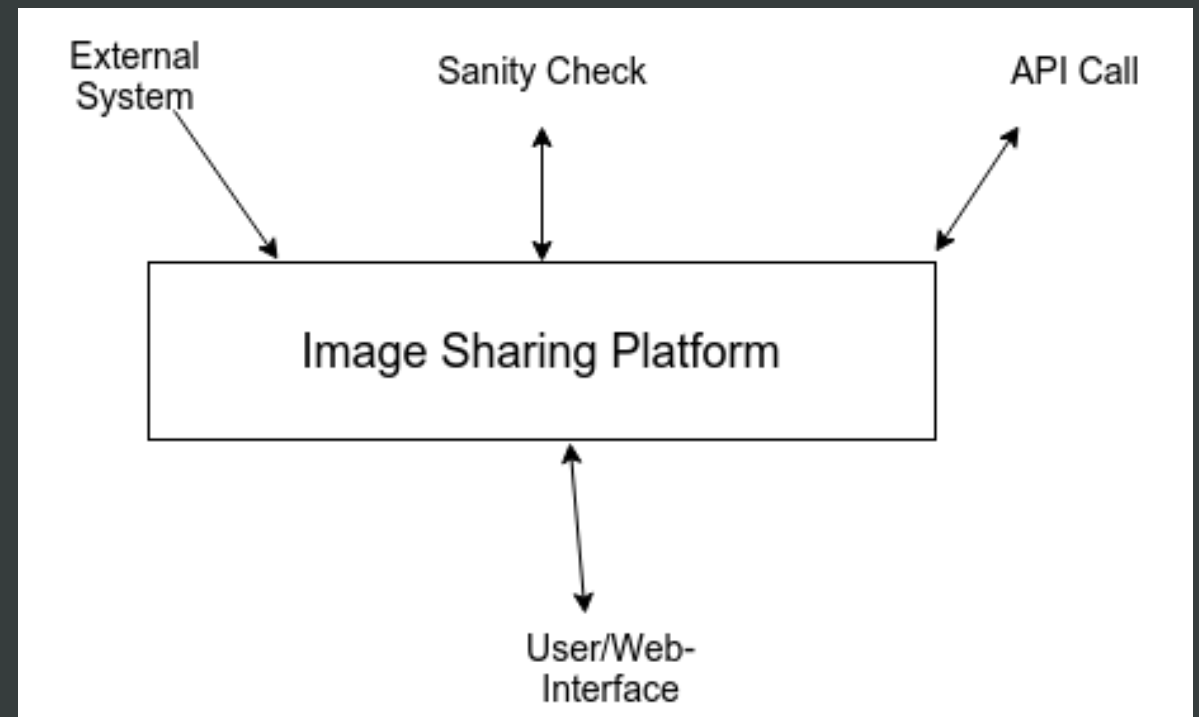
SCOPE

We feel this is an intuitive and easy to use application that implements state of the art research ideas into a real world application.
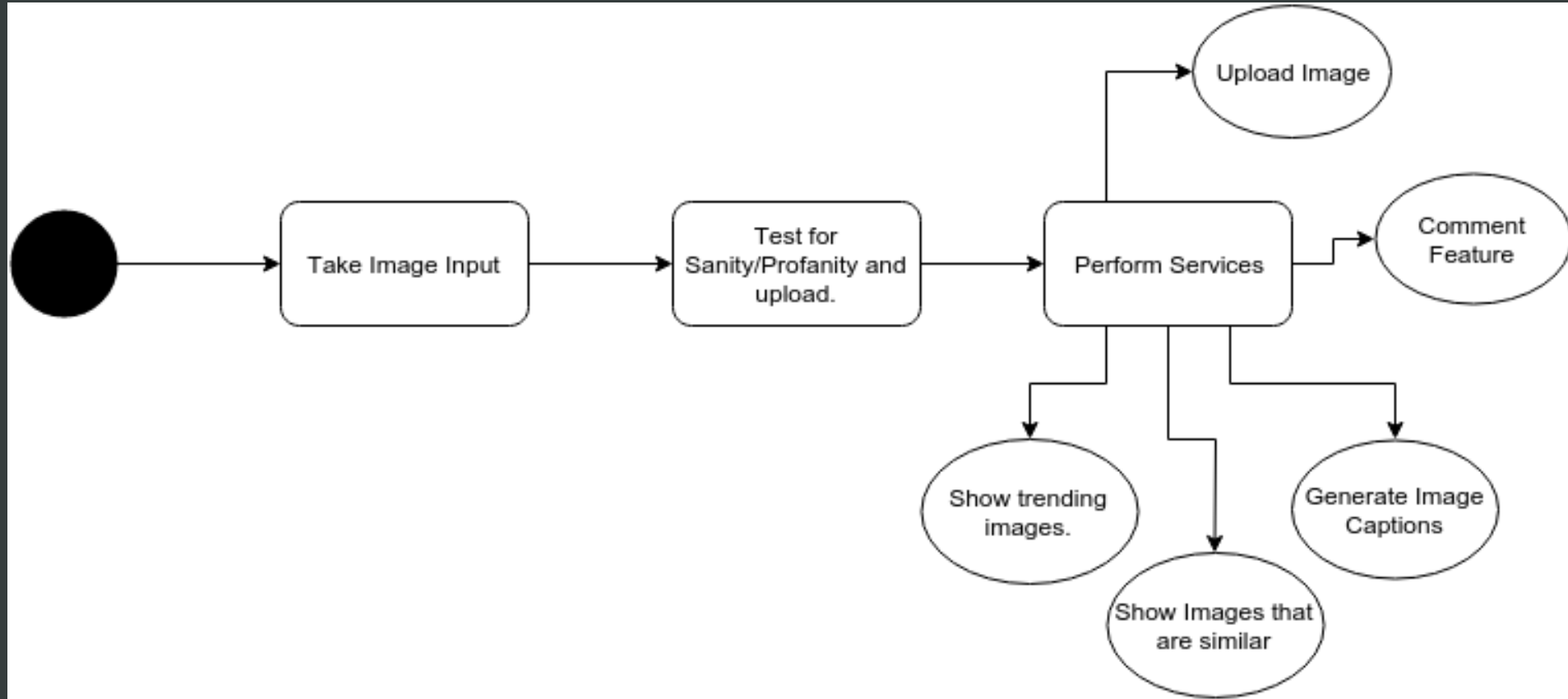
We implement features which guarantee a highly interactive and immersive experience for the users.

Design Methodology

Architecture Design

- Client-Server design approach.
- Central server performs all tasks of uploading, tagging, rating and sanity checking.
- Users can access the web interface or API.
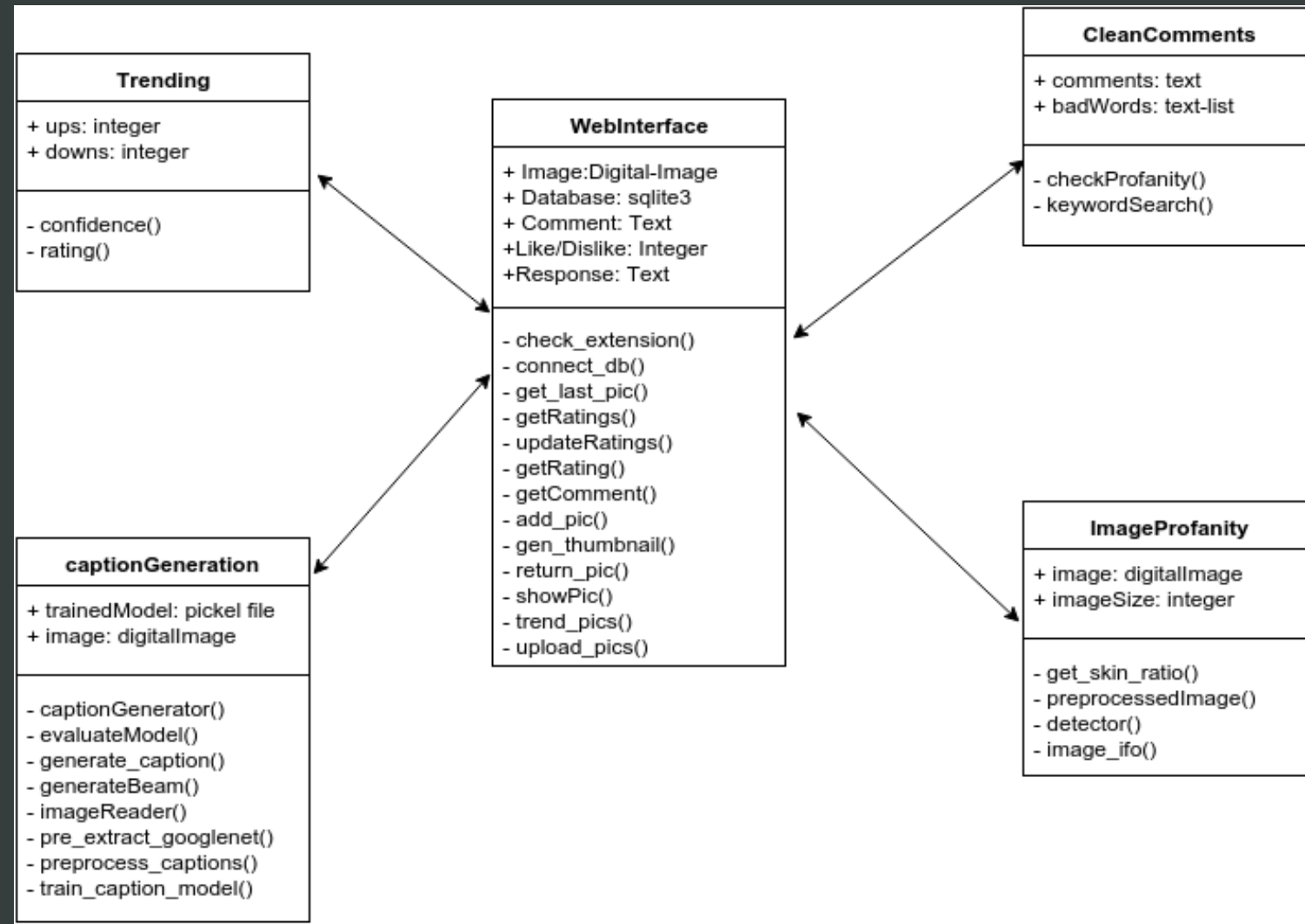- External clients can use our server API.

FRAMEWORK

- Web interface and API to allow system access.
- Automatic Image/Comment profanity check.
- Regularly scheduled image captioning.
- Search API image retrieval.

MODULES

- Web User Interface
- Image Profanity Check
- Comments Profanity Check
- Top Ranked Images
- Image caption generation
- API

DEMONSTRATION

ShareIt | Trending

Upload Picture

Choose File | No file chosen

Upload

Made with <3 by Ankit and Rohan

You're not supposed to be here

NO KITTY THAT'S A

(a dog is laying on the ground with a frisbee)

(No Captions for This Image.)

59   19

Likes Dislikes

Comments:

Hello How Are You

This is cool

Your ratings were added.
To access the image please click Here!

Sorry, your comment could not be loaded as it was considered offensive.
To access the image please click Here!

Sorry the Image was consider
The image has been added for

CONCLUSION

- We present a fully automated and smart image sharing system.
- The website is geared towards a niche community and is easy to use.
- Some of the experimental advanced features such as automated image captioning and sanity checking are not always perfect but they prove to be interesting and convenient for the users.
- The external API is robust and may be integrated with multiple applications.

REFERENCES

● Detection of Pornographic Digital Images - Jorge A. Marcial-Basilio

● Show and Tell: A Neural Image Caption Generator

● Image caption by CNN and LSTM

Thank You for your patience.

Any Questions?