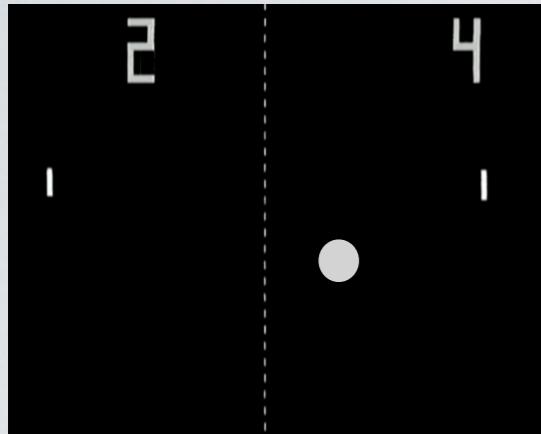


Creative Coding

Final project ideas

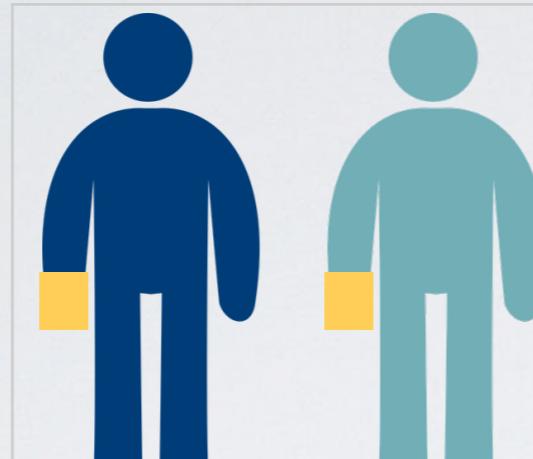
Raksha Ravimohan

Life size Pong



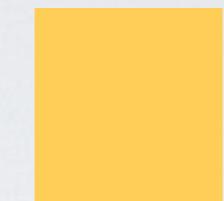
Game

2 player game
Each player moves
the bar to stop the
ball from escaping



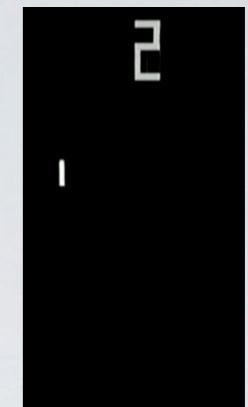
Camera View

Each player will hold a
box of a particular color
and use it like a mouse,
to control the bar



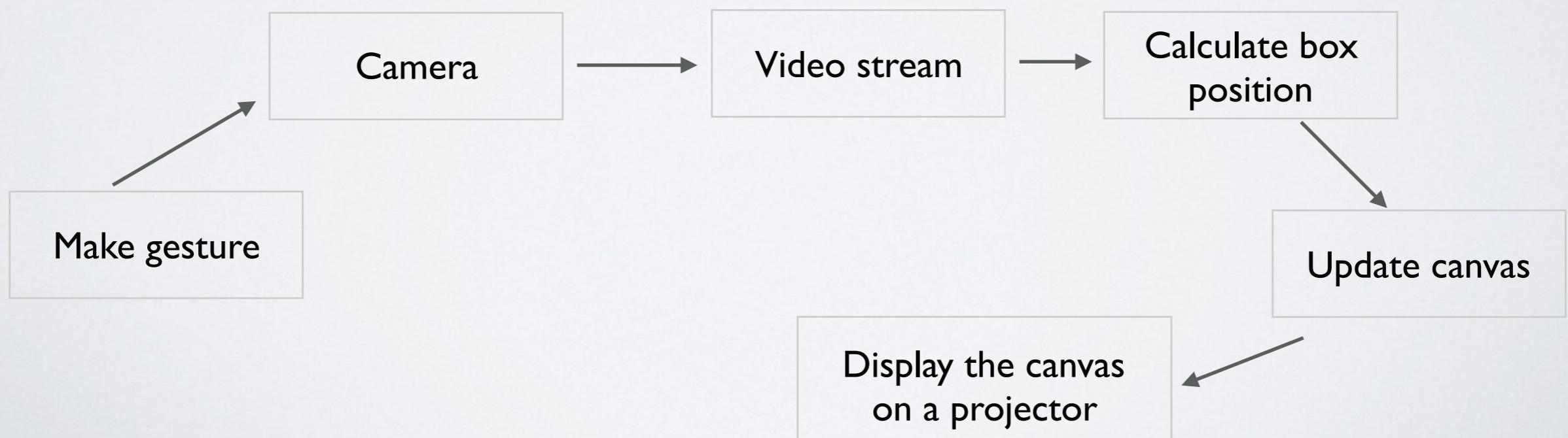
Computer vision

The yellow regions in
the video stream are
detected and the
position is recorded



Control

The y coordinate of the
yellow box is assigned as
the y co ordinate of the
bar (within limits)



The story behind

The idea behind this project is to extend the human computer interaction beyond the laptop or phone screen and help people express themselves through active movements.

Inspiration to make large size interactive installation :

<http://www.flong.com/projects/ifp/>

<http://www.gravitytrap.com/artwork/sniff>

Resources for code :

Bouncing ball : https://www.youtube.com/watch?v=LO3Awjn_gyU

Color tracking : https://www.youtube.com/watch?v=nCVZHROb_dE

Social media portrait



Picture

The web camera can be used to take a picture of a person's face



Facebook images

Retrieve images of that person from Facebook



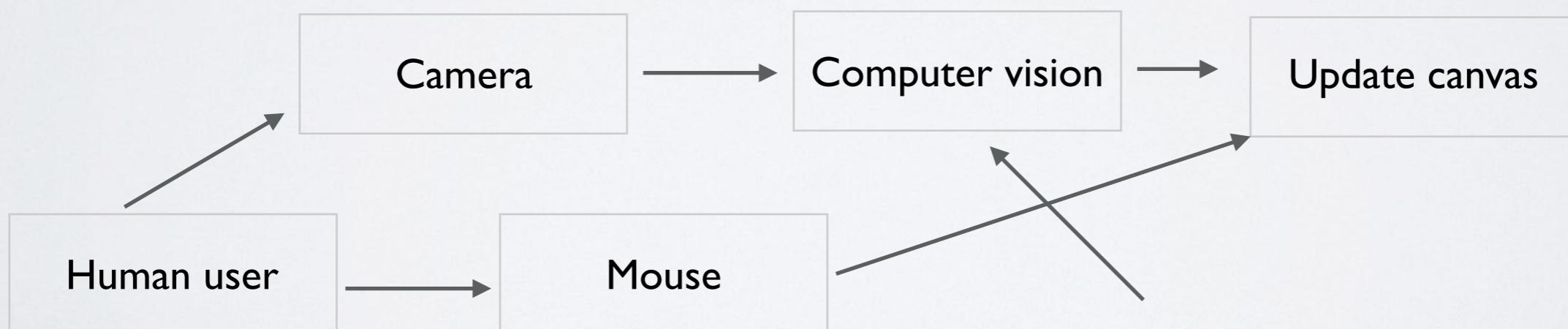
Computer vision

Calculate average RGB value of all the pixels in the small image and the pixels in a window of the main image



Replace pixel windows

Replace each pixel window with a smaller image having similar average pixel value



Images from
Facebook through
API or custom code

The story behind

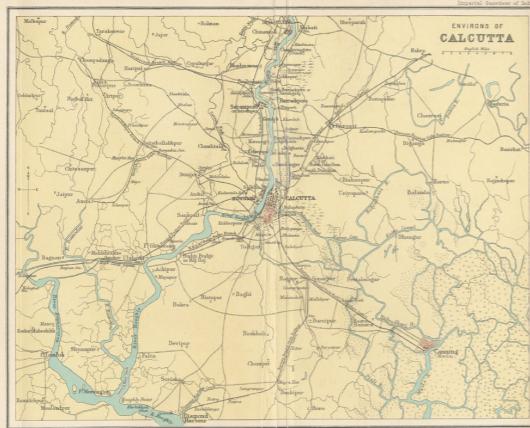
The idea behind this project is to represent a person in terms of his/her social media footprint by displaying the user's image as collection of his/her images from Facebook

Artists :

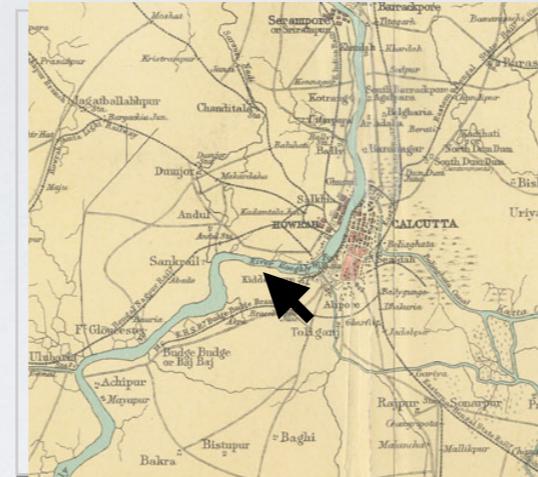
<http://www.photomosaic.com/bio.html>

Inspiration for the unusual portrait : Professor Luke DuBois <https://www.youtube.com/watch?v=zix9vIUOFF8>

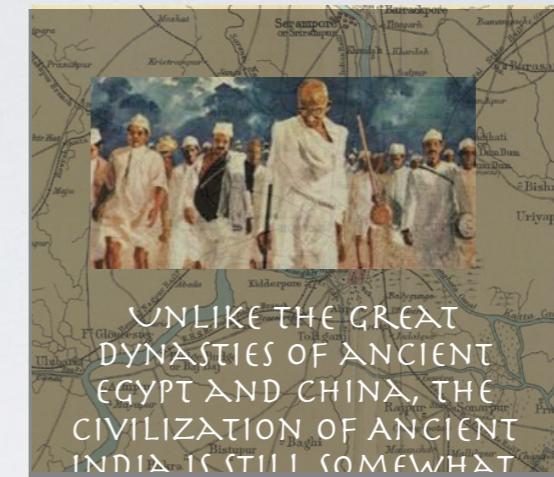
A walk through Indian history



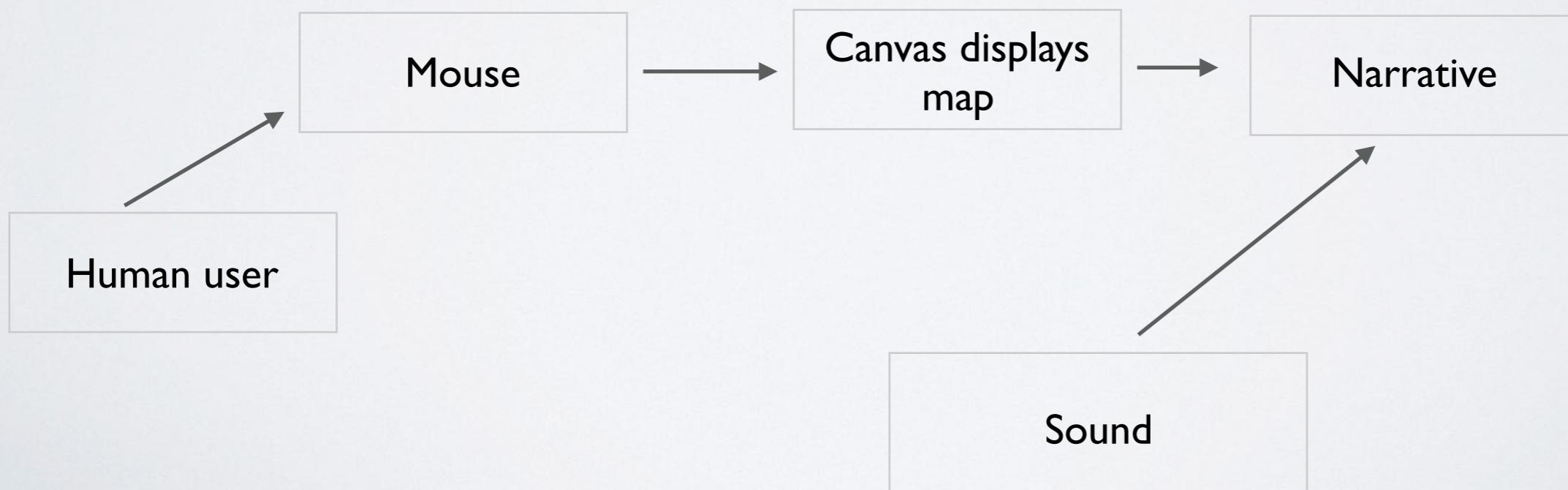
Map
The canvas displays a map of India in historic style



Mouse
Use mouse to navigate to different sections of the map



Story
Important historic events are displayed depending on where the mouse lands



The story behind

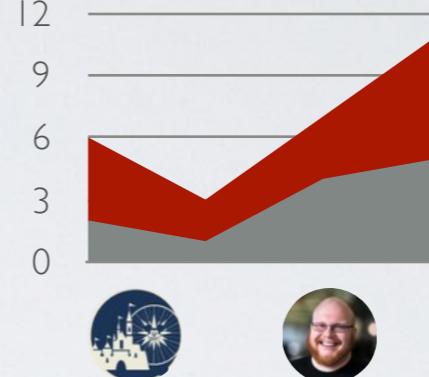
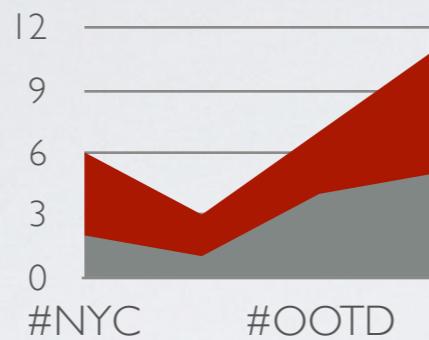
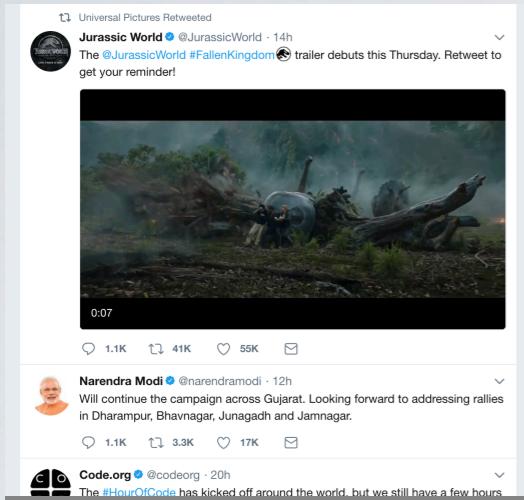
The idea behind this project is to tell a story interactively, by providing the look and feel of going through the different events in Indian history, based on user input

Inspiration :

<http://www.sbs.com.au/theboat/>

Marauder's map : <https://www.youtube.com/watch?v=dJC6RUtDs44>

What does my twitter news feed look like today?

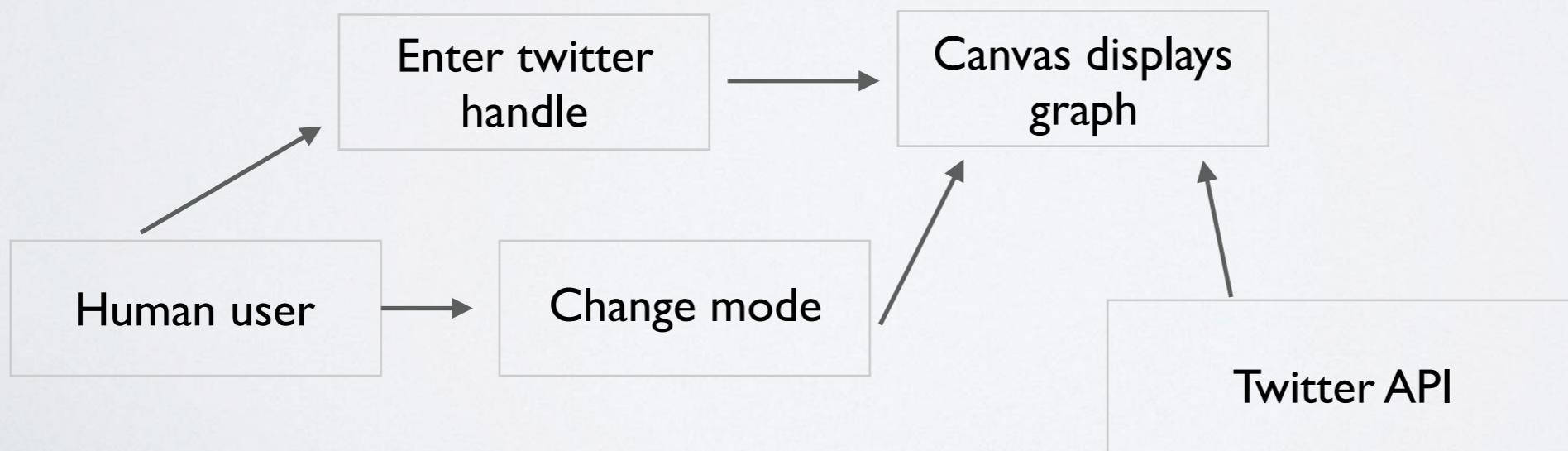


Feed
Get all the tweets
from user's news feed

Hashtag
Draw a graph with
hashtag and number of
tweets

User
Draw a graph with users
and number of tweets

See tweet
Hover to see the tweet



The story behind

The idea behind this project is to make it easier for a person to organize his twitter newsfeed and get an overview of what is happening

Inspiration : <https://interactive.twitter.com/>