Documentation:

Methods:

get():

get method response to a web request by the browser it can also send data with it but sensitive data should not be sent

post():

post method send data from browser to software using Post protocol

get\_current\_user():

this method gets details of currently logged in user and we can further get an email or other details.

create\_login\_url():

this method generates URL for the login page through which users get authenticated.

create\_upload\_url():

this method generate URL for uploading an image to database

redirect():

redirect the user to a particular URL using this method

ndb.Key():

Generate ndb database key according to the parameter passed in the above method

upload.key():

Generate blobstore database key according to parameter URL

of uploaded content

send\_blob():

Generate URL for blobstore

blobstore.get():

get blob from blobstore using key

key.get():

get value from database using key

datetime.now():

get current date and time

create\_logout\_url():

generate URL to logout current logged in user

query():

query database with or without parameter

order():

query database and arrange results in a particular order

fetch():

return queried results in a list

append():

add value to the end of a list

put():

add changes to the database

remove():

remove value from list

Model:

InstaUser:

**user:** store user object which contains email id, nickname, username, etc.

**user:** store username of the user.

**profile\_image:** store blobkey of an image of the user

**following:** store whom a user is following currently here we store email id of people whom user follow

**followers:** people who follow this user their email id is stored in this field.

**posts:** stores keys of posts posted by the user

Post:

**posted\_by:** store detail of user who posted this post

**post\_image:** store image in blobstore associated with post

**caption:** store caption gave by user

**date:** store date in which post is posted

Comment:

**post:** store key of post associated with this comment

**commented\_by:** store user who commented

**user\_comment:** store the comment

**date:** store date at which comment is made

UI Consideration:

We try to make our app look like Instagram. hence we copy as much as UI as possible. at the home page, we have added courser which consists of few images and those images changes every second to make it attractive and insta like look.

Users must be logged in before creating posts or any feature of our app hence the first screen will show until the user logged in.

When a user logged in we show some suggestion of another user user who logged in user can follow. timeline is scrollable in which posts are seen but on right side of the screen we show suggestions and logged in user details which is sticky and does not move with scroll

when user search for another user we show search result on the same page using jquery to make it a replica of Instagram.