FACEBOOK MANAGER

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Abstract

Have you ever found Facebook news feeds annoying and difficult to manage? When you want to search for a particular status update that your friend has posted or a link of an article somebody shared that you liked and now after a few hours when you go back to check it you don't see it anymore? This can become a bit annoying and a complete waste of time when you have to search through to all those new feeds looking for it. This is when FACEBOOK MANAGER comes into the picture. Basically our application provides a systematic segregation of the user's news feeds. The status updates that are posted by the user's friends, the photos that they have uploaded, the various links to articles videos or images that they have shared and the places that they have checked into are all systematically segregated and displayed. Facebook Manager makes it easy to search and manage the latest updates that the user has. These latest updates are linked to that specific news feed if the user wants to get the big picture. Thus the Facebook Manager gives the user a brief list of what's new on Facebook at that instance.

The application can be used using the following URL:

facebook-manager.appspot.com

Implementation

The over-all implementation of the website is done using the following technologies:

- Web App Host - Google App Engine
- Template Engine – Jinja2
- Languages - HTML, CSS, JavaScript, Python
- APIs - Facebook Graph API
- SDK - Facebook JavaScript SDK

The application uses Facebook JavaScript SDK to login the user through his Facebook profile. Once, the user authorizes the application, the application has access to user's profile, friends and news_feed. We store the access token in a cookie, so that session can be maintained as well as this cookie can be used to generate various queries using the Facebook Graph Api.

We have used the Jinja2 template engine to pass results of these queries to various html pages. Jinjia2 provides templates which makes passing parameters between the python script and html page very simple and efficient. The python script uses handler to call the corresponding classes for given URL. This gives our application an Model-View-Controller (MVC) model.

The news feed can queried for 4 types of data:

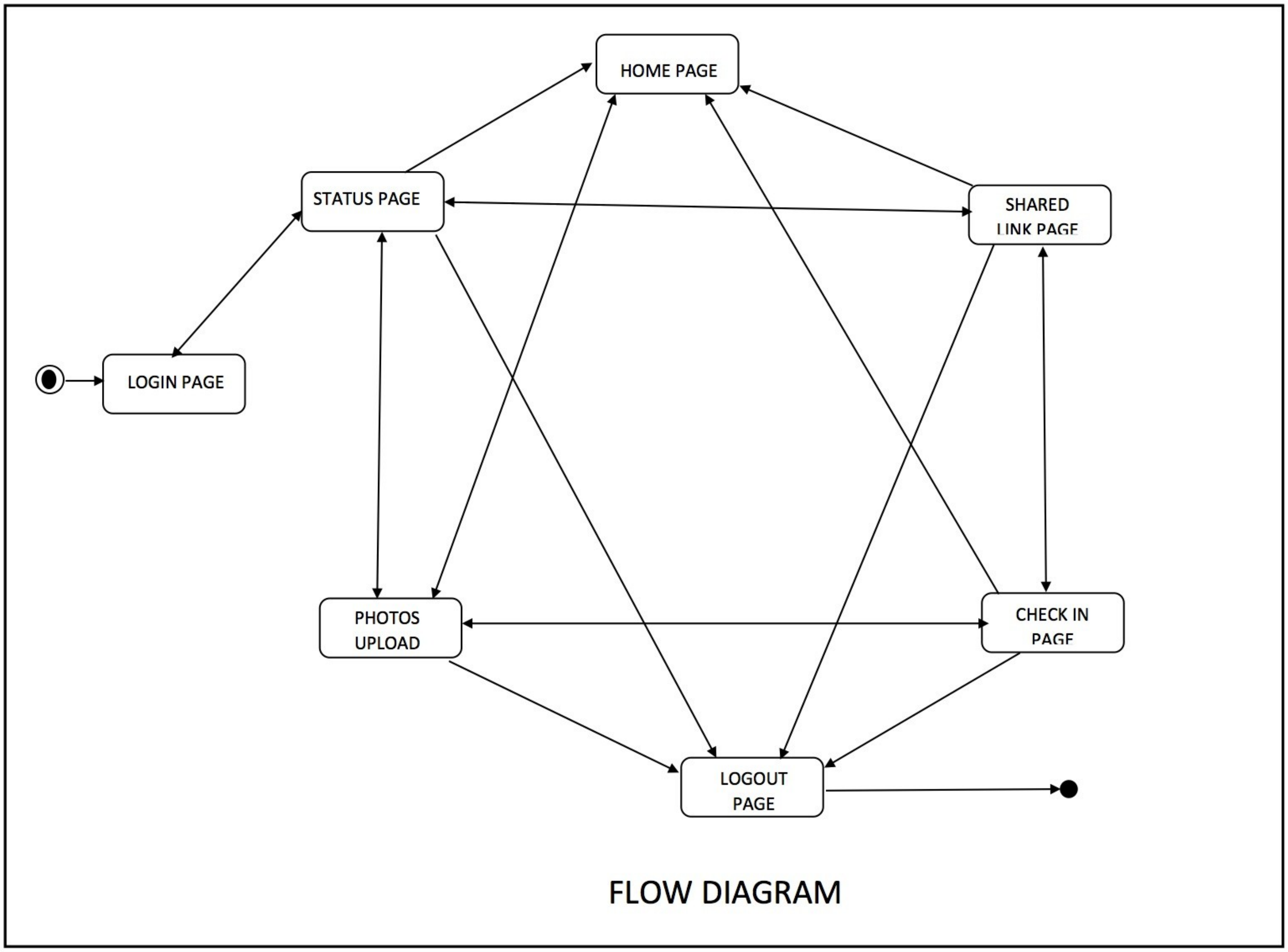
- Status updates and the number of likes for this status

- Photos from the feed. We also provide a hyperlink to the real photo published on Facebook in case the user wishes to see a detailed and high resolution view of this image.
- CheckIn done by friends of the current user. A hyperlink is provided so that the Facebook page corresponding to the place at which the user checked in can be retrieved.
- SharedLinks gives a short description of the various links posted by the friends of the current user. The user can directly visit those links from this page it self.

Finally whenever the user logs out the cookie is deleted to ensure that the session has ended correctly and to ensure security.

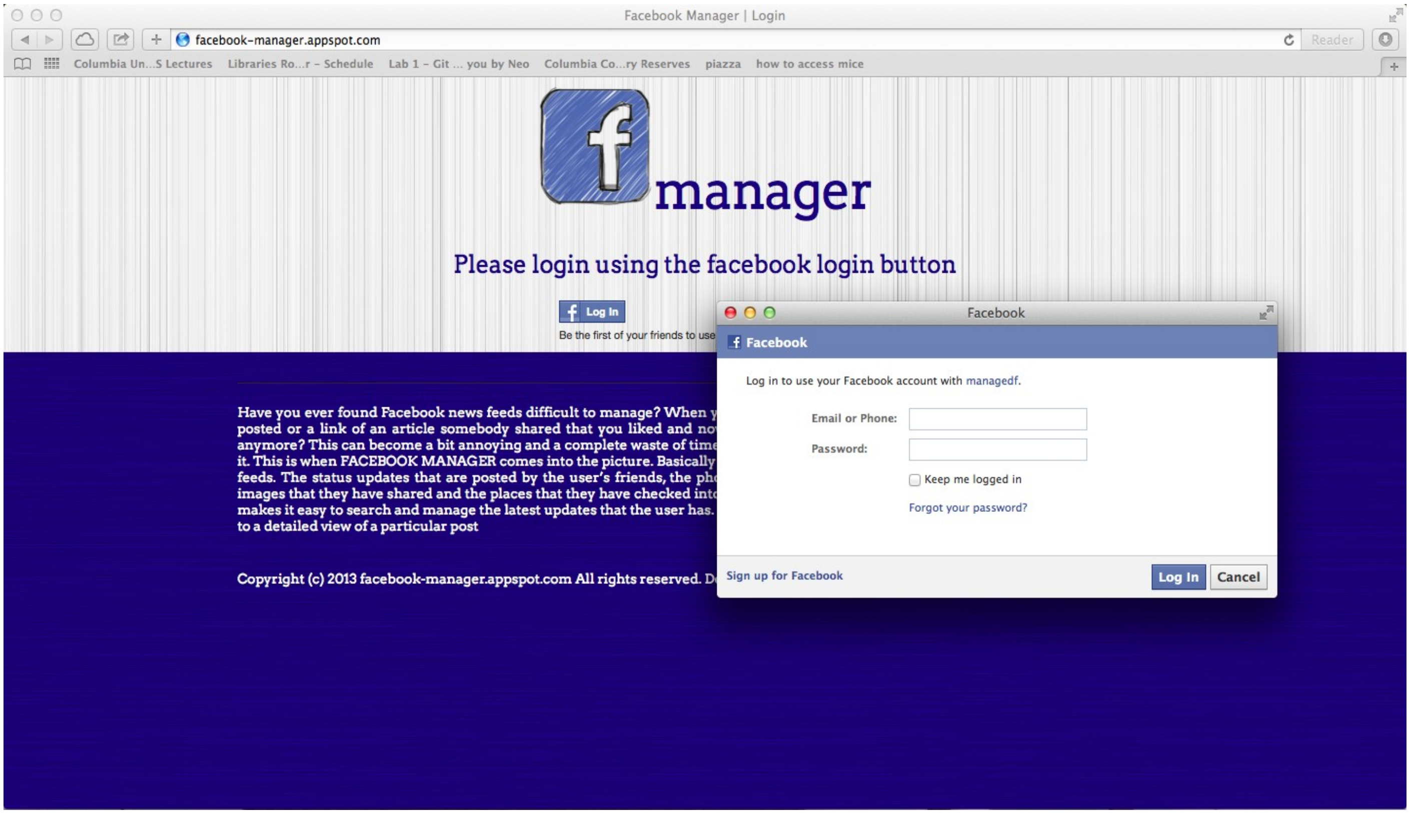
The front end of the application is done using HTML and CSS. The application is hosted on Google App Engine.

Flow Diagram



Snapshots

1. Login Page



Please login using the facebook login button

Be the first of your friends to use

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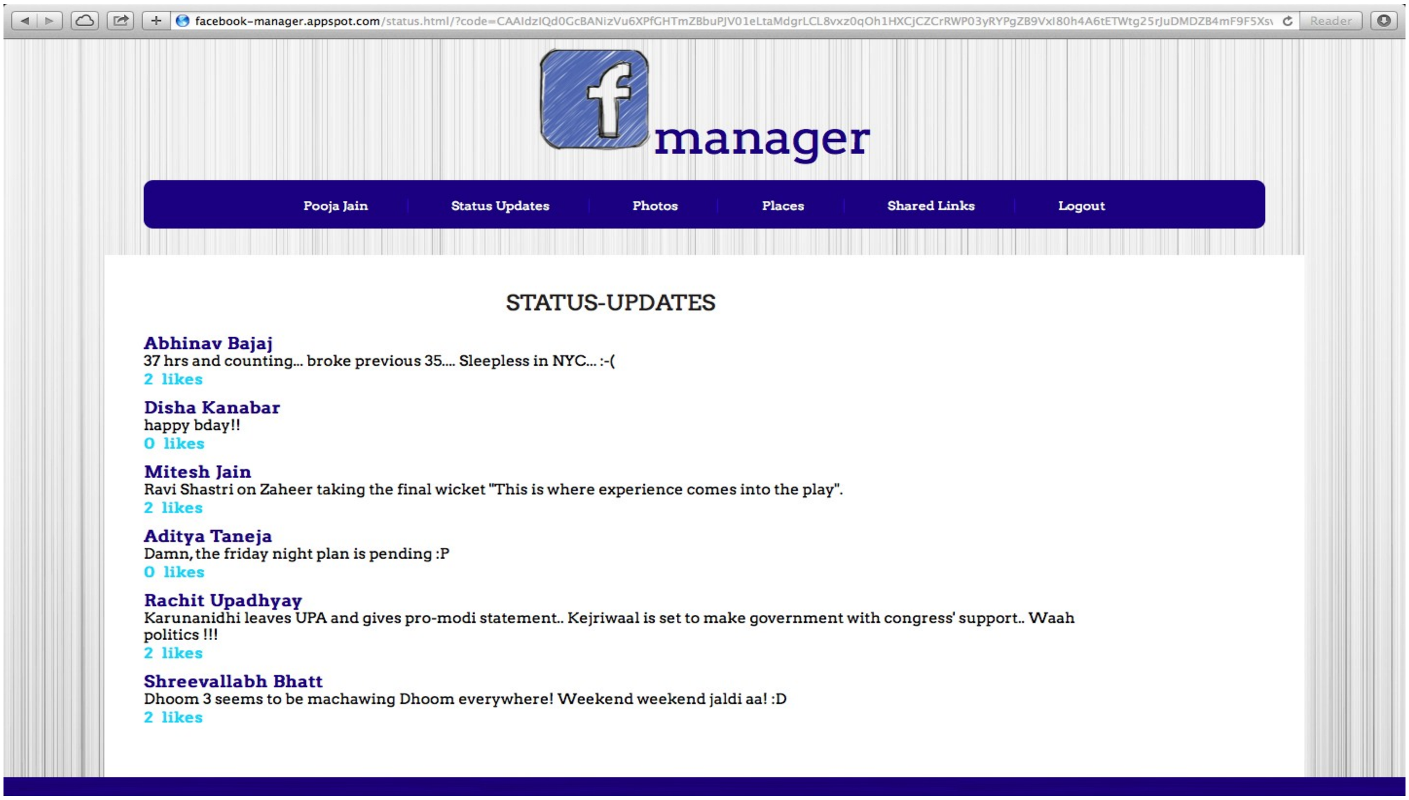
Log in to use your Facebook account with managedf.

Email or Phone:

Password:

☐ Keep me logged in

2. Statuses Page



facebook-manager.appspot.com/status.html/?code=CAAIdzIQd0GcBANizVu6XPfGHTmZBbuPJV01eLtaMdgrLCL8vxz0qOh1HXCjCZCrRWP03yRYPgZB9VxI80h4A6tETWtg25rJuDMDZB4mF9F5Xs\
Reader
manager
Pooja Jain
Status Updates
Photos
Places
Shared Links
Logout

STATUS-UPDATES

Abhinav Bajaj
37 hrs and counting... broke previous 35.... Sleepless in NYC... :-(
2 likes

Disha Kanabar
happy bday!!
0 likes

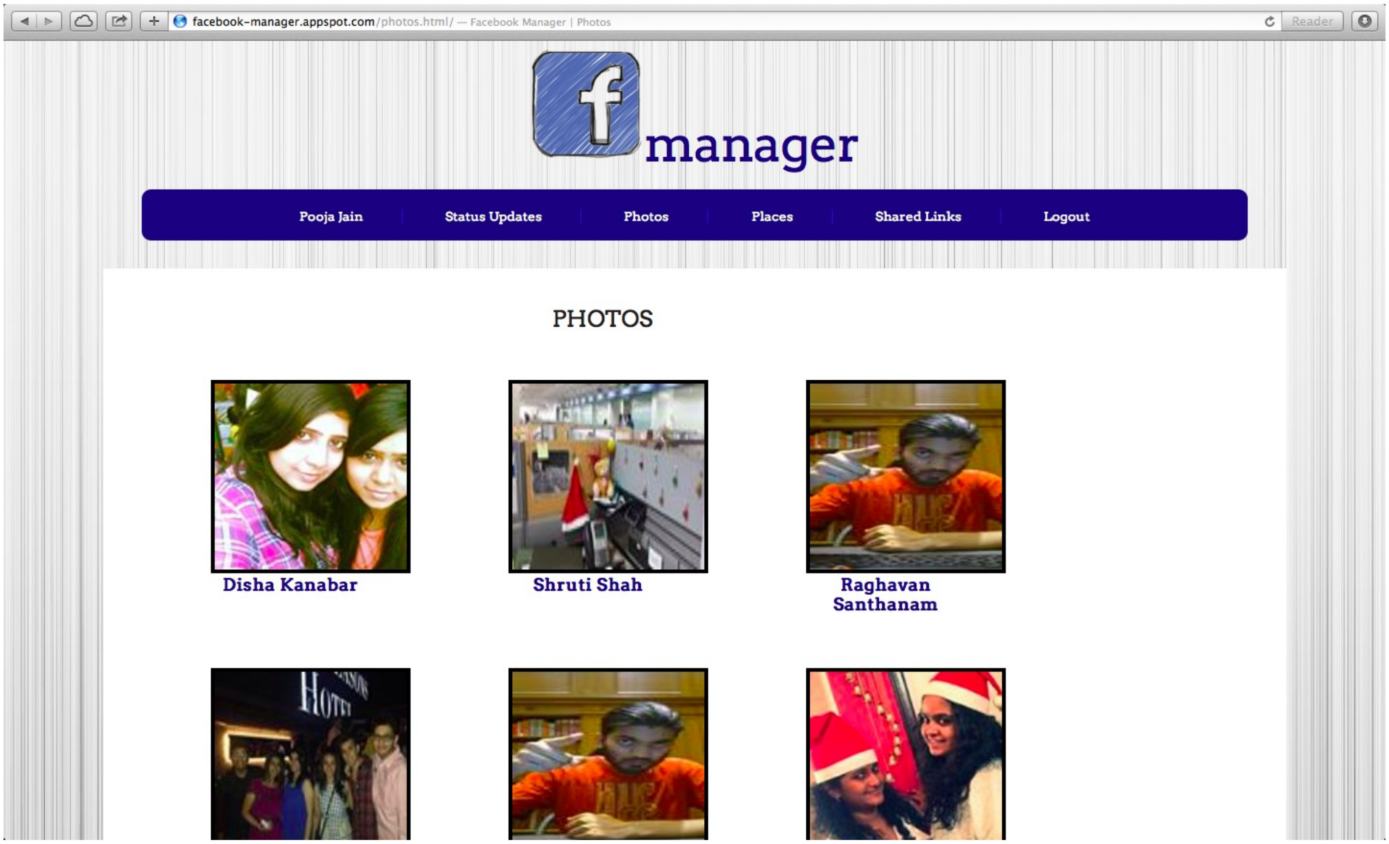
Mitesh Jain
Ravi Shastri on Zaheer taking the final wicket "This is where experience comes into the play".
2 likes

Aditya Taneja
Damn, the friday night plan is pending :P
0 likes

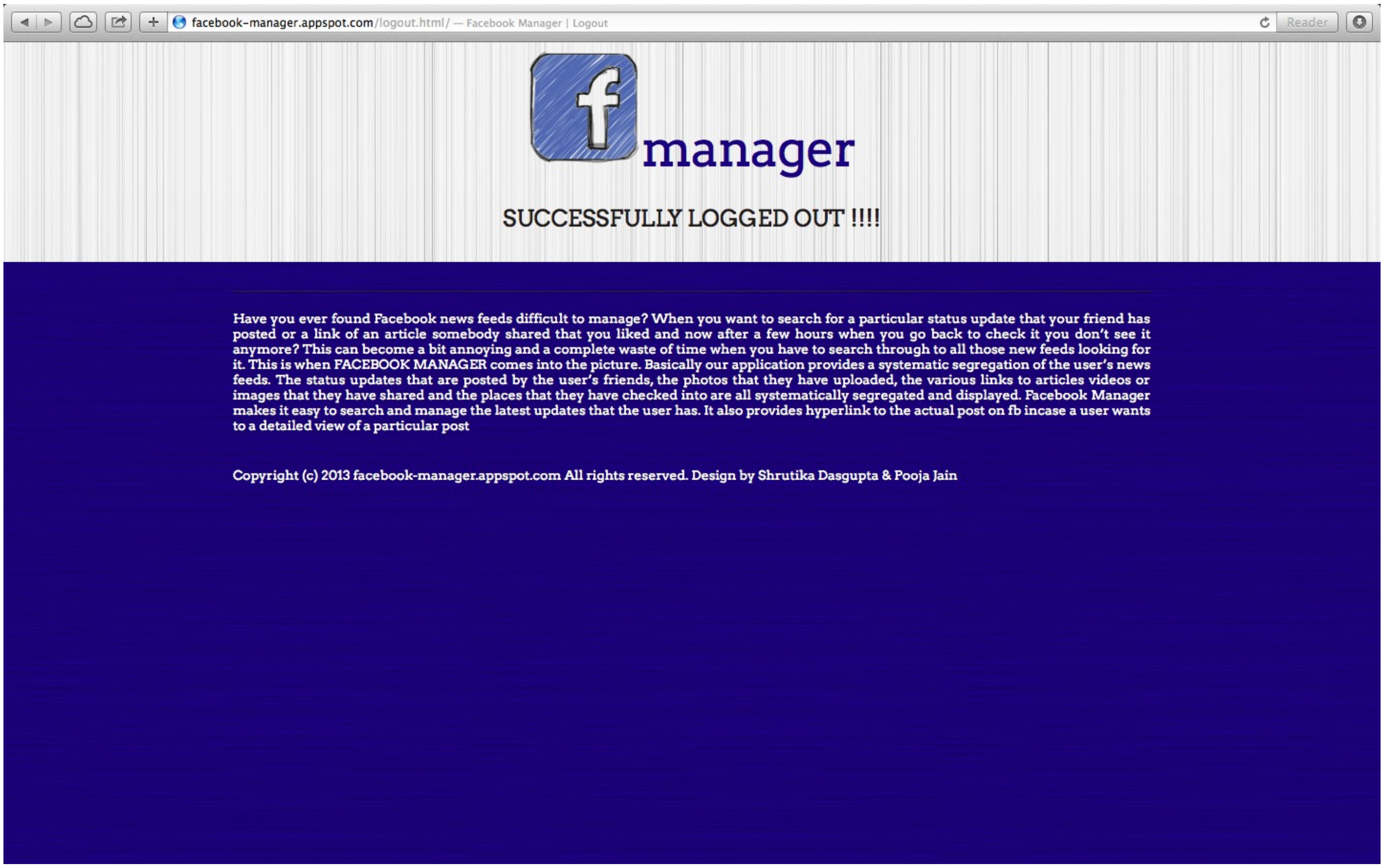
Rachit Upadhyay
Karunanidhi leaves UPA and gives pro-modi statement.. Kejriwaal is set to make government with congress' support.. Waah politics !!!
2 likes

Shreevallabh Bhatt
Dhoom 3 seems to be machawing Dhoom everywhere! Weekend weekend jaldi aa! :D
2 likes

3. Photos Page



4. Logout page


facebook-manager.appspot.com/logout.html/ — Facebook Manager | Logout
Reader
manager

SUCCESSFULLY LOGGED OUT !!!!

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