

Mini-Reddit
(CPSC 473: Graduate Programming Project)

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INTRODUCTION

Mini-Reddit is a social news voting website that is used for sharing anything that people with different interests would find interesting. Users are allowed to submit text posts or direct links to other webpages. Registered users can vote submissions up or down to organize the posts and determine the position on the website page. The word Herald means a messenger and Mini-Reddit has been derived from it to indicate an internet messenger.

Purpose

The purpose of this project is to extend create a blogging website like Reddit. In this project I have integrated the facebook login and facebook share buttons that enables users ease of login and post sharing on facebook

Technologies

The project includes the following technologies:

- NoSql database : MongoDB
- Server Side code :Node.js
- Client side code: javascript and jquery
- CSS :Materialize css
- Html
- Facebook SDK for facebook share and facebook login

Running the project

Launching Mongo

1. Launch the Mongo server using the command “Mongod” by navigating to the mongo exe directory
2. In the same directory Launch the mongo Shell using the command “Mongo”
3. Use database with the name Reddit
4. Under this database create two collections with the name “users” and “posts” (all lower case)
5. Using the command `db.posts.insert()`, insert the documents from the file “redditdocuments.txt” which is attached along with this file.
6. Make sure to use the “_id” exactly like the one in the attached file “redditdocuments.txt”
7. The _id field value is important to make sure the project works without any issues, Hence exact documents from the file has to be inserted

Launching the server

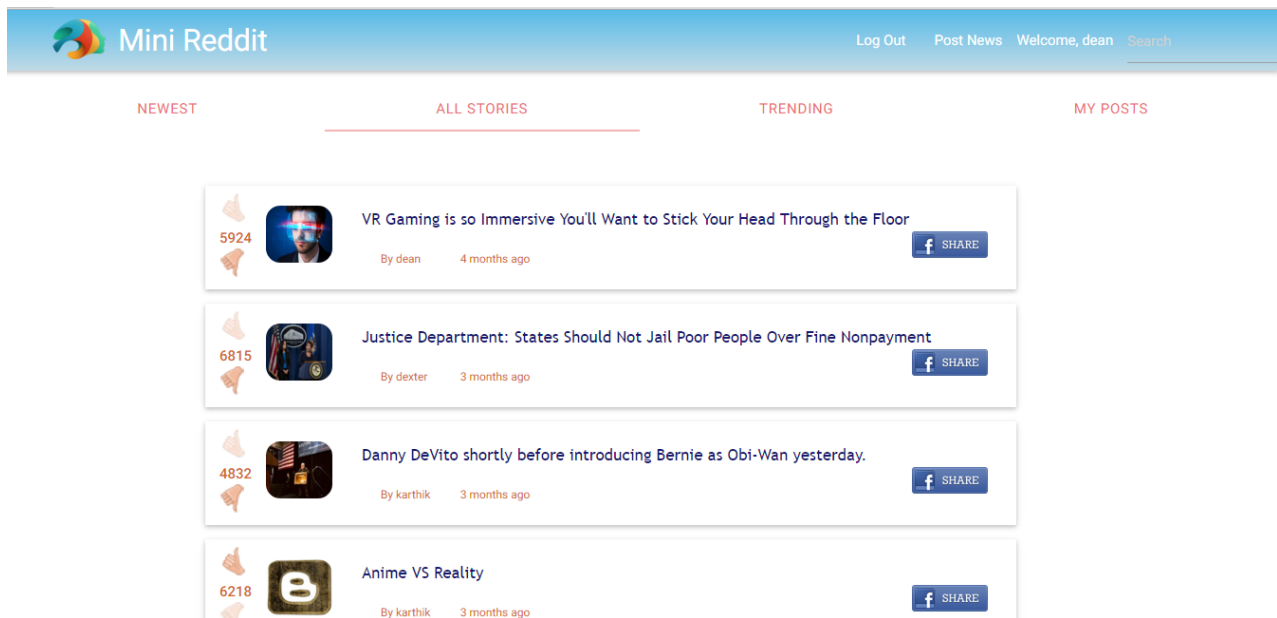
1. Launch the server by navigating to the directory and by using the command “node server.js”
2. The default port is 3000
3. Open the browser and navigate to the URL <http://localhost:3000/>
4. The website gets kicked off from this step

FEATURE SET

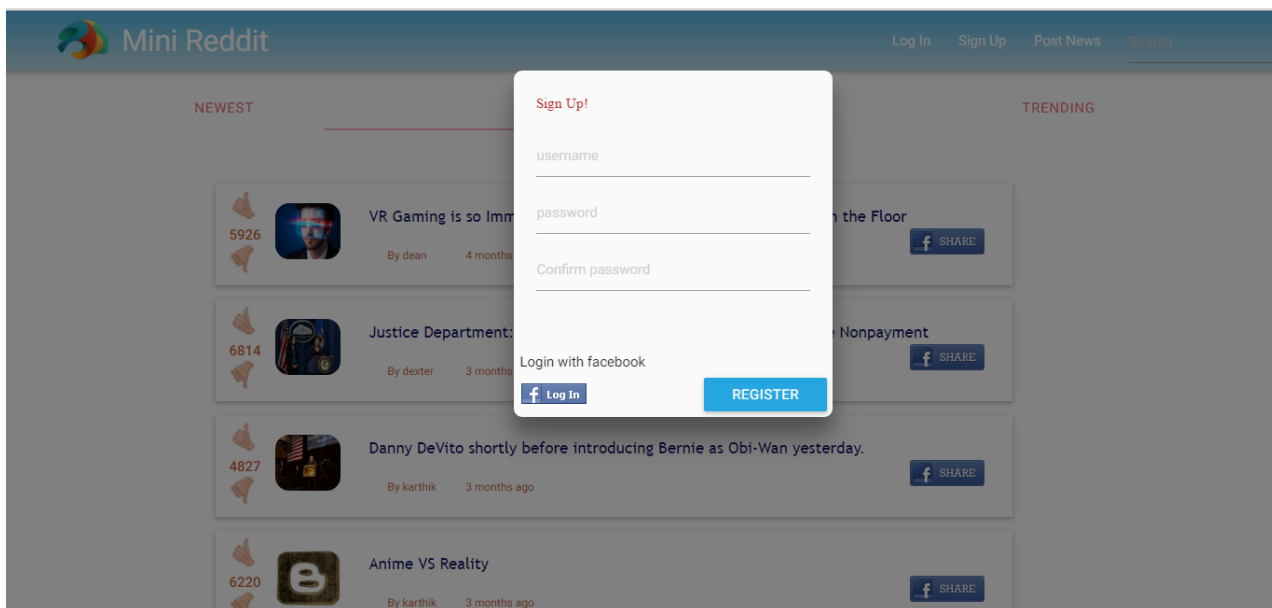
1. Facebook login /normal login /sign up
2. Add new posts
3. Like and dislike for each posts
4. Saved posts for each user
5. Dynamic search to search a post
6. Paginaitaion to divide multiple posts per page
7. Facebook share
8. Logout
9. Add posts with video and image content

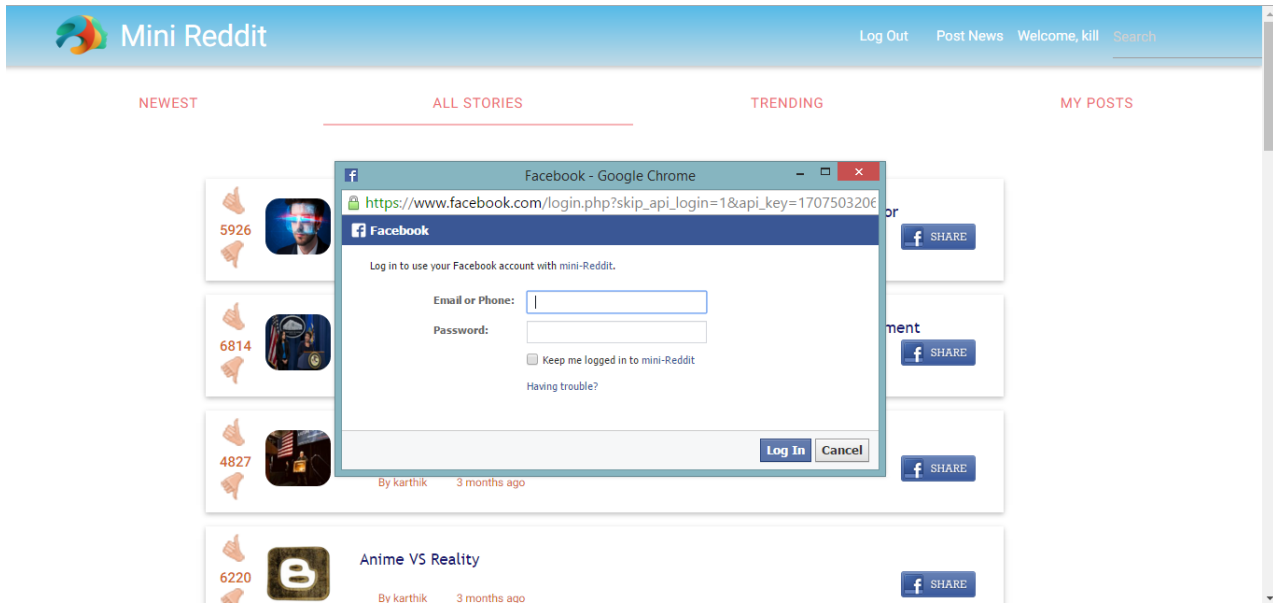
The screenshots for the website can be seen below

1.Home Page

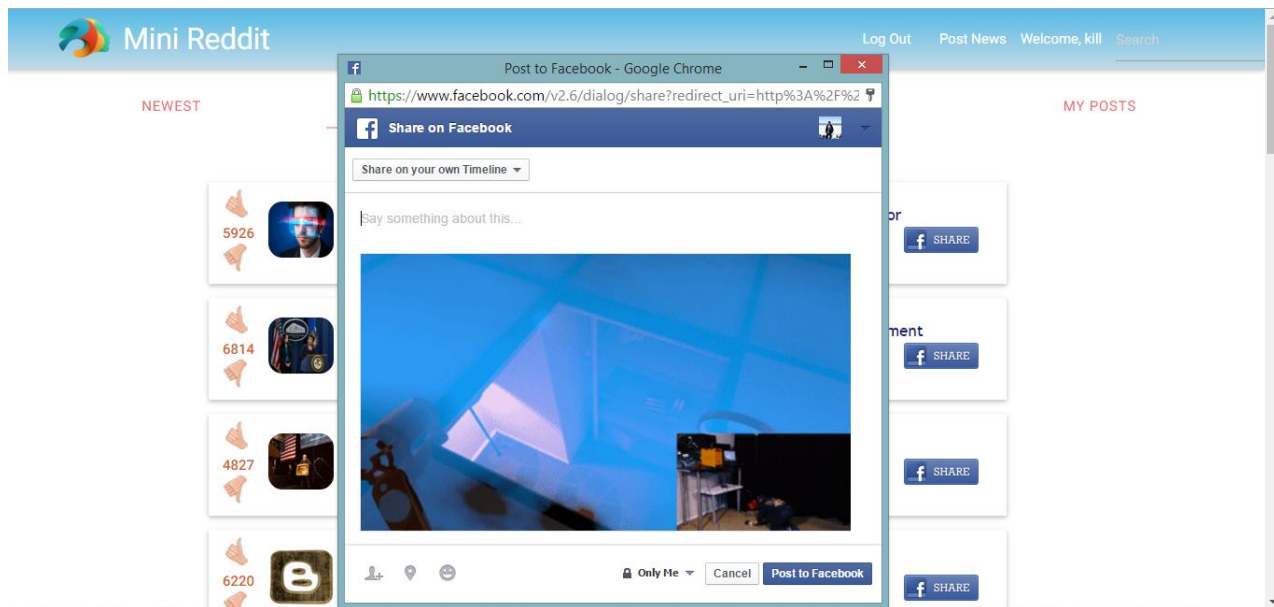


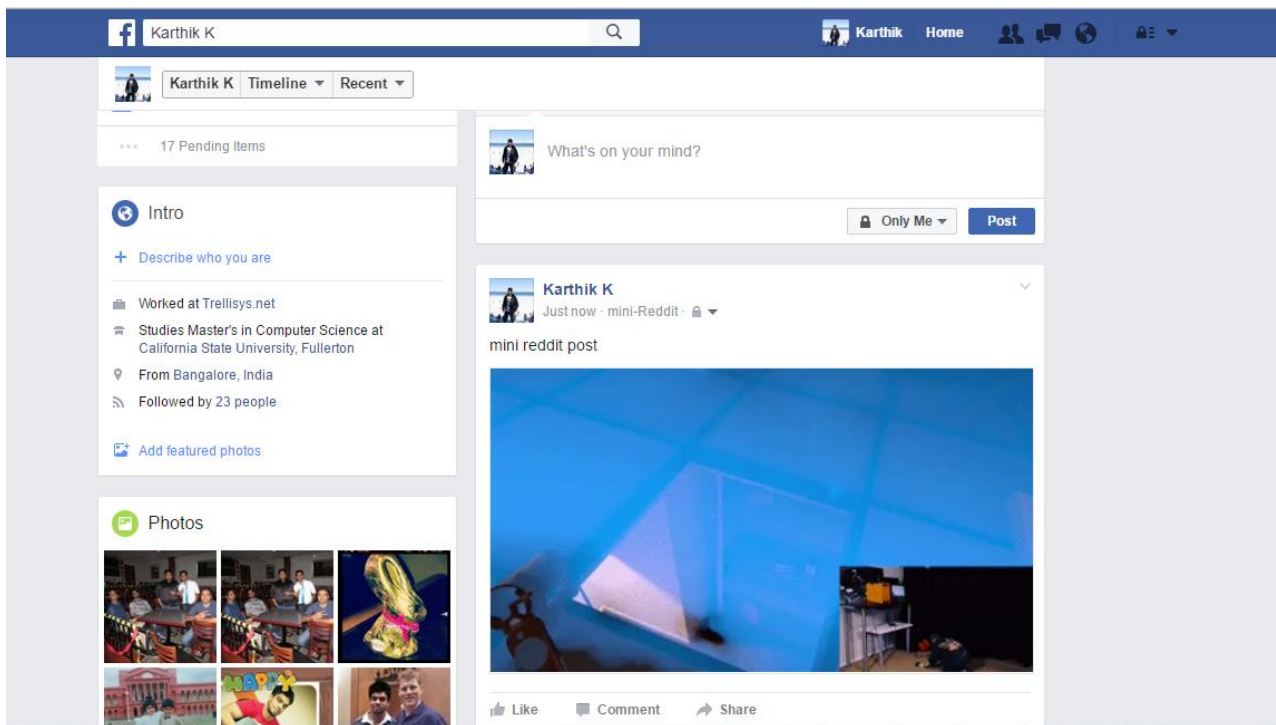
2. Sign up and facebook Login





3 .Facebook share

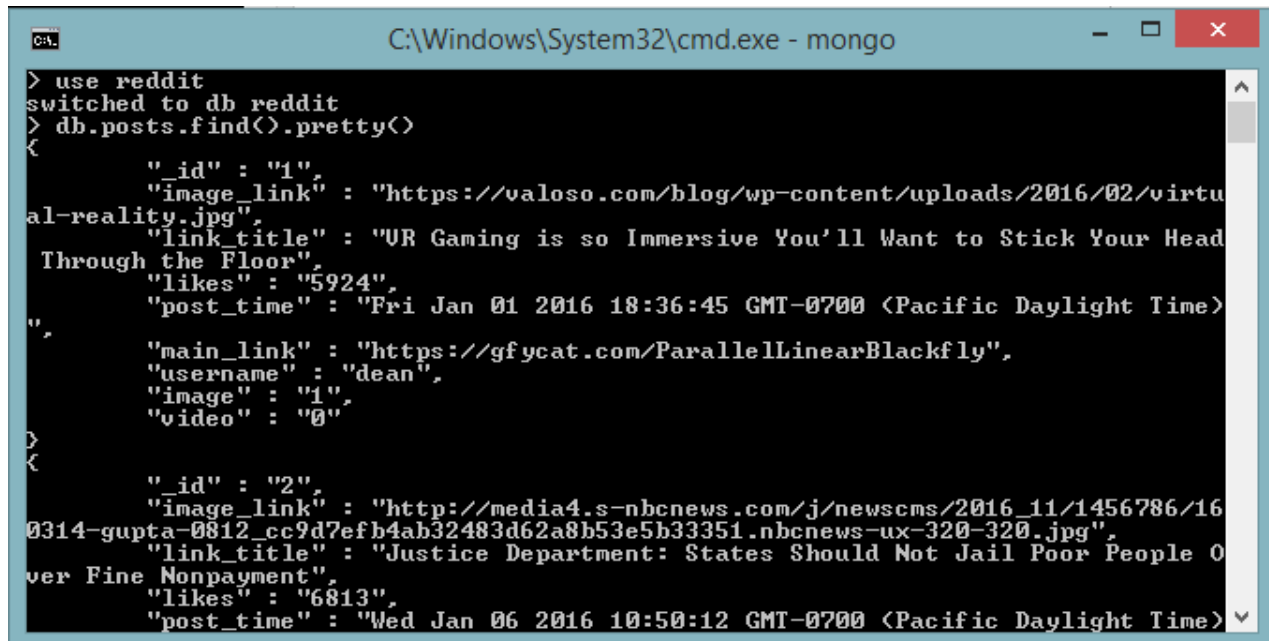




4.Mongod

```
C:\Windows\System32\cmd.exe - mongod
2016-05-02T22:42:26.300-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49240 #1003 <952 connections now open>
2016-05-02T22:42:26.300-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49241 #1004 <953 connections now open>
2016-05-02T22:42:26.300-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49242 #1005 <954 connections now open>
2016-05-02T22:42:26.300-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49243 #1006 <955 connections now open>
2016-05-02T22:42:26.301-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49244 #1007 <956 connections now open>
2016-05-02T22:42:26.301-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49245 #1008 <957 connections now open>
2016-05-02T22:42:26.301-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49246 #1009 <958 connections now open>
2016-05-02T22:42:26.302-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49247 #1010 <959 connections now open>
2016-05-02T22:42:26.302-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49248 #1011 <960 connections now open>
2016-05-02T22:42:26.302-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49249 #1012 <961 connections now open>
2016-05-02T22:42:26.302-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49250 #1013 <962 connections now open>
2016-05-02T22:42:26.302-0700 I NETWORK [initandlisten] connection accepted from 127.0.0.1:49251 #1014 <963 connections now open>
```

5. Mongo shell showing posts collection

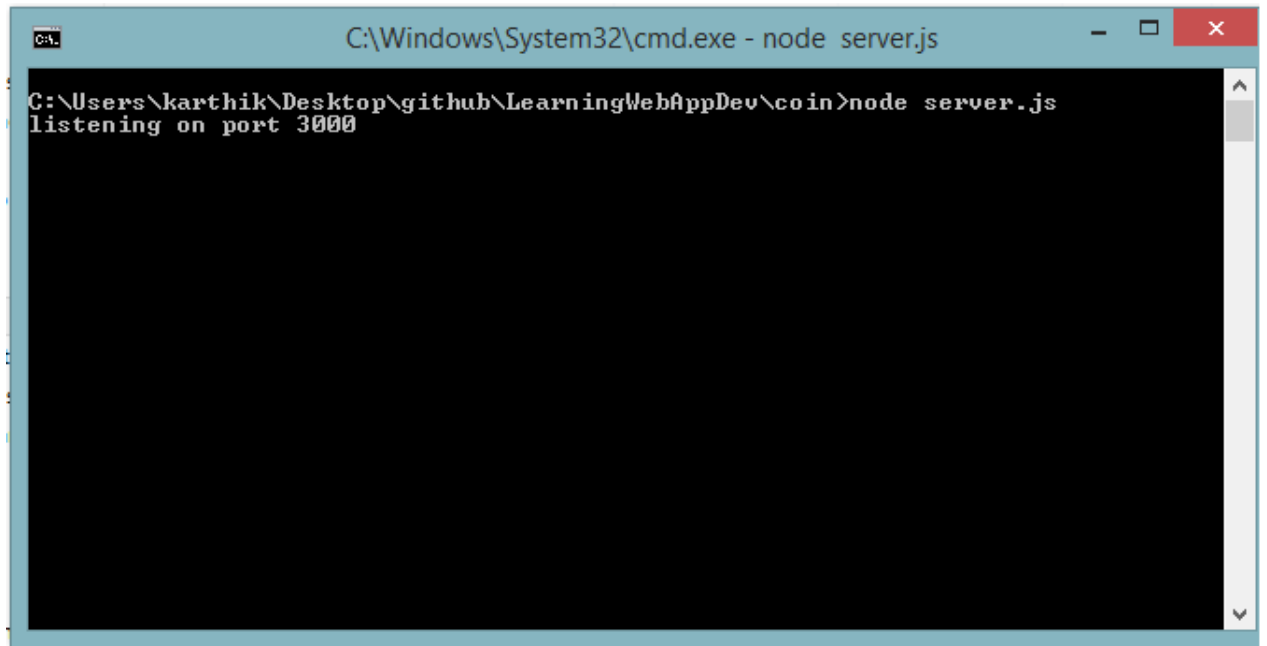


```
C:\Windows\System32\cmd.exe - mongo
> use reddit
switched to db reddit
> db.posts.find().pretty()
{
  "_id" : "1",
  "image_link" : "https://valoso.com/blog/wp-content/uploads/2016/02/virtual-reality.jpg",
  "link_title" : "VR Gaming is so Immersive You'll Want to Stick Your Head Through the Floor",
  "likes" : "5924",
  "post_time" : "Fri Jan 01 2016 18:36:45 GMT-0700 <Pacific Daylight Time>",
  "main_link" : "https://gfycat.com/ParallelLinearBlackfly",
  "username" : "dean",
  "image" : "1",
  "video" : "0"
}
{
  "_id" : "2",
  "image_link" : "http://media4.s-nbcnews.com/j/newscoms/2016_11/1456786/160314-gupta-0812_cc9d7efb4ab32483d62a8b53e5b33351.nbcnews-ux-320-320.jpg",
  "link_title" : "Justice Department: States Should Not Jail Poor People Over Fine Nonpayment",
  "likes" : "6813",
  "post_time" : "Wed Jan 06 2016 10:50:12 GMT-0700 <Pacific Daylight Time>"
}
```

6. Users collection

```
db.users.find()
{ "_id" : "1", "name" : "karthik k", "password" : "fbuser", "likes" : [ "1,3,3,4,1,2,3,2,3,4,5,6", "1", "2" ], "notLikes" : [ "" ] }
{ "_id" : "2", "name" : "dean", "password" : "dean", "likes" : [ "1", "3", "5", "6" ], "notLikes" : [ "4", "2" ] }
{ "_id" : "3", "name" : "john", "password" : "john", "likes" : [ "1", "4" ], "notLikes" : [ "2", "3", "5" ] }
{ "_id" : "4", "name" : "jung", "password" : "jung", "likes" : [ "1" ], "notLikes" : [ "2" ] }
```


7. Launching the server



```
C:\Windows\System32\cmd.exe - node server.js
C:\Users\karthik\Desktop\github\LearningWebAppDev\coin>node server.js
listening on port 3000
```

The image shows a Windows command prompt window with a light blue title bar. The title bar text is "C:\Windows\System32\cmd.exe - node server.js". The window contains a black terminal area with white text. The first line shows the command prompt path "C:\Users\karthik\Desktop\github\LearningWebAppDev\coin>" followed by the command "node server.js". The second line shows the output "listening on port 3000". A vertical scrollbar is visible on the right side of the terminal area.