

BigApple

-An Office

Networking Platform

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Introduction

Big Apple is an application that allows all the employee to connect and update each other with their existing projects, form teams to contribute to projects, update their skills and interest in their profiles, add certifications, share pictures and location of the conferences,events and socialize with other employee across the firm.

Following are the *functionalities of the system*:

Create/Register a Big Apple profile:

All employee's of the organization are allowed to create a profile on Big Apple. The employee can make the profile public or private upon his discretion. Once the employee deletes his profile, all the data corresponding to the employee profile will be deleted.

Create or Update Posts on the Wall:

Employees can create and update posts on their wall. The posts can be anything specific to the employee. Examples of which can be all the courses that he is takes, his views on modern technologies, hotlinks to his github repository, twitter handle etc. He can also create post specific to the project and provide his team explicitly to view the content.

Network and build relationships:

Big Apple allows an employee to network and collaborate with other employees by sending a connect request. An employee can also use Big Apple to form teams and collaborate with the team members in project activities. Connection can be team, friends or distinct friends given the scenario.

Upload Multimedia Contents:

Employees can post pictures, videos etc of presentation, conferences, training resources with Big Apple providing the provision to either share it across team or across the organization.

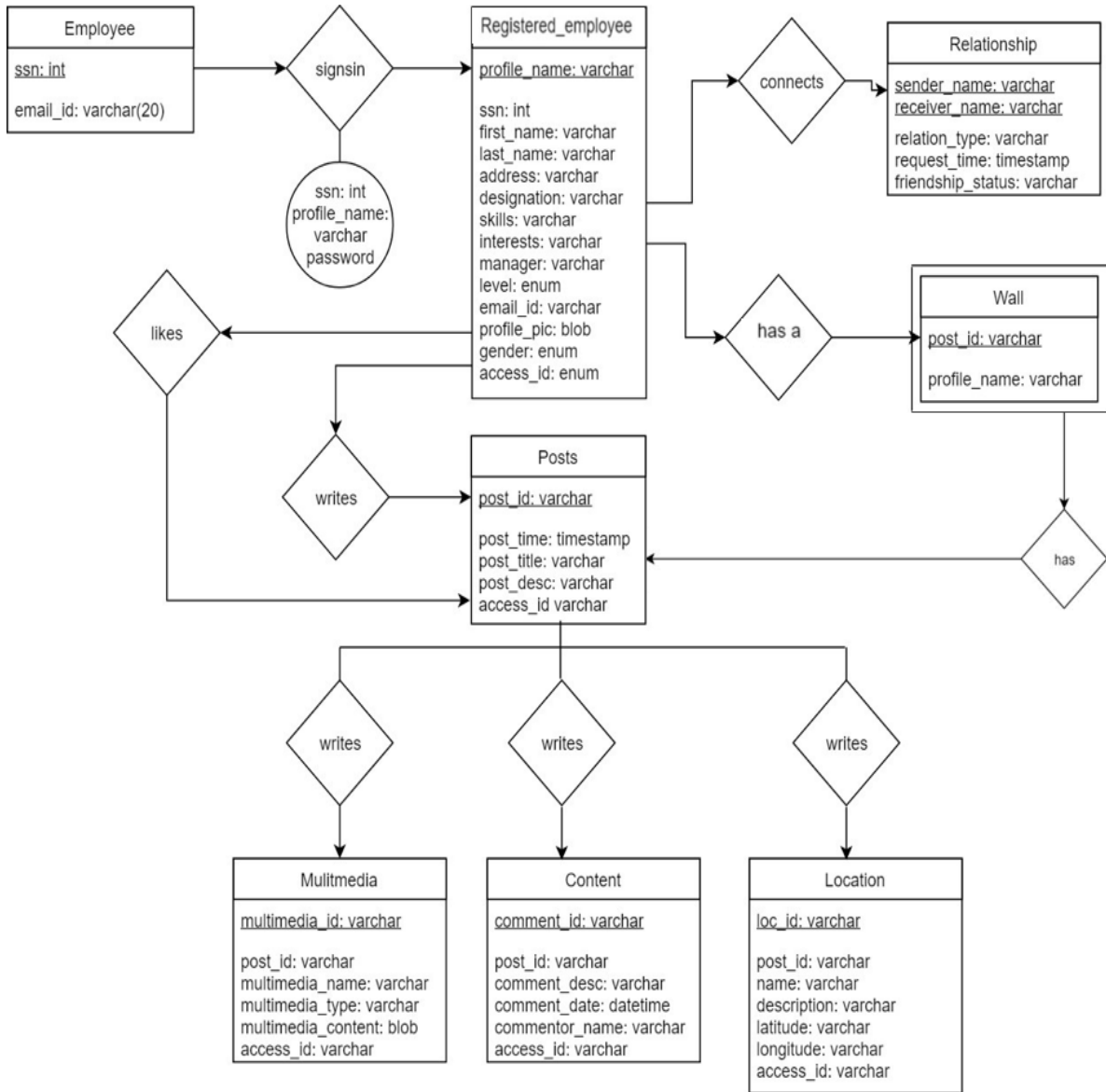
Adding Location details and Comments :

Employees can post their location details on Big Apple that allows others to know where you are. This feature can be used when the employee attends a event and would like to showcase his presence across the organizations. Big Apple allows an employee to comment on post and also allows him to make the comment restricted to Team or Public .

Likes:

Employees can like posts, comment or multimedia contents posted by an employee.

Entity Relational Model



Schema Description

Relational Schema:

- Employee (ssn,email_id)
- signin (ssn,password)
- registered_employee (profile_name, ssn, first_name, last_name, address, designation, skill, interests, manager, level, access_id, email_id, profile_pic, gender)
- post (post_id, post_date, post_title, post_desc, access_id)
- wall (post_id, profile_name)
- relationship (sender_name, receiver_name, relation_type, request_time, request_status)
- comment (comment_id, post_id,desc, comment_date, commentor_name, access_id)
- location (loc_id,post_id, name, description, latitude, longitude, access_id)
- likes (like_id,post_id, comment_id, multimedia_id, loc_id, viewer_name, like_date)

Foreign Keys:

- ssn in signin table is a foreign key referencing the ssn in the employee table.
- ssn in the registered_employee table is a foreign key referencing the ssn in employee table.
- post_id, profile_name in wall table references the post_id in post and profile_name in the registered_employee table respectively.
- In multimedia_content table post_id is the foreign key referencing table post.
- In comment table post_id is the foreign key referencing table post and commentor_name is the foreign key referencing table registered_employee.
- In like table likes viewer_name is the foreign key referencing table registered_employee and post_id is the foreign key referencing table post and multimedia_id is the foreign key referencing table multimedia_content and loc_id is the foreign key referencing table location.
- In relationship table sender_name references table registered_employee.

Big Apple Application Description

Big Apple is designed as a responsive web application that allows the user to collaboration, share, network across the organization. Users are encouraged to use Big Apple to share their team projects, their learning resources across the Organization. Users can build team of colleagues and collaborate working on their projects. They can post their locations and enable fellows of Big Apple to comment.

Big Apple also allows the user to post source code links that can be used by users to pull and push requests to. Multimedia content are also shared through Big Apple.

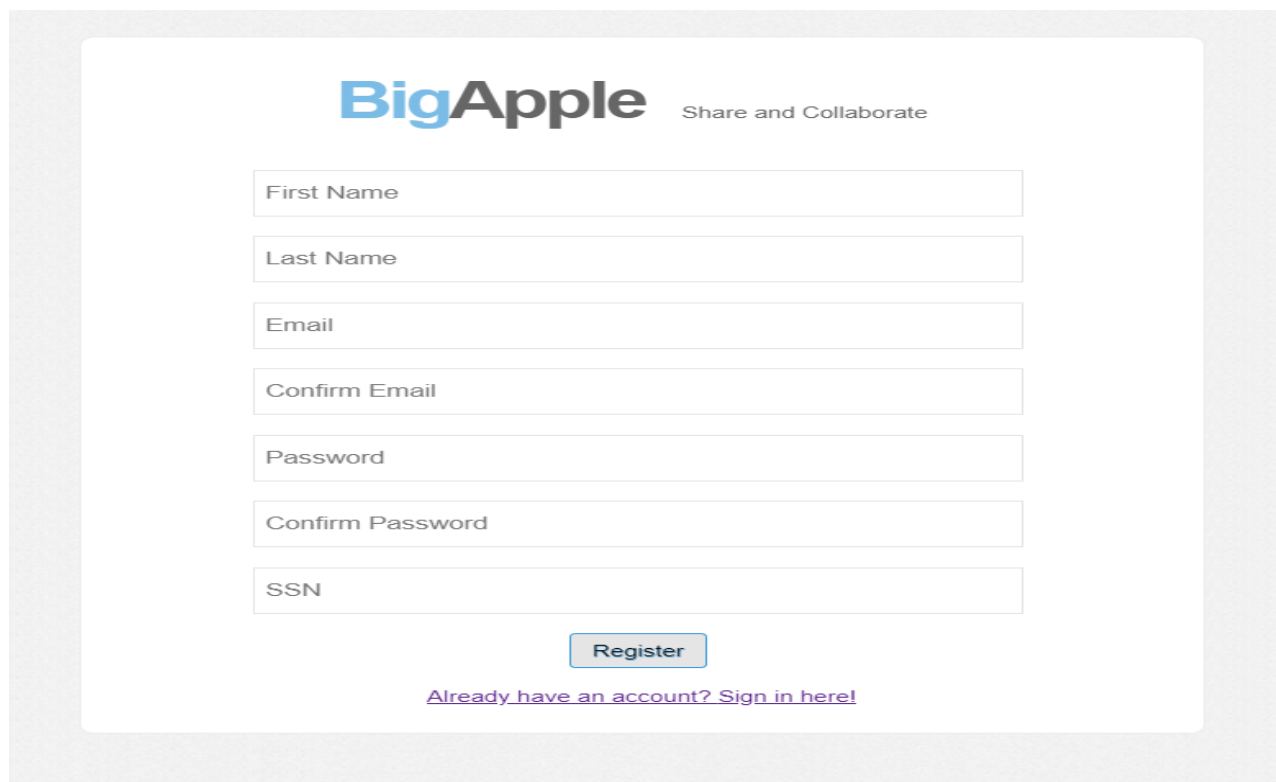
Use Cases

Employee Sign up:

Prerequisite: Only employees whose ssn are in the database are allowed to signin. If an employee is new and his ssn had not be added he should contact HR to add his id to the database.

SignUp page:

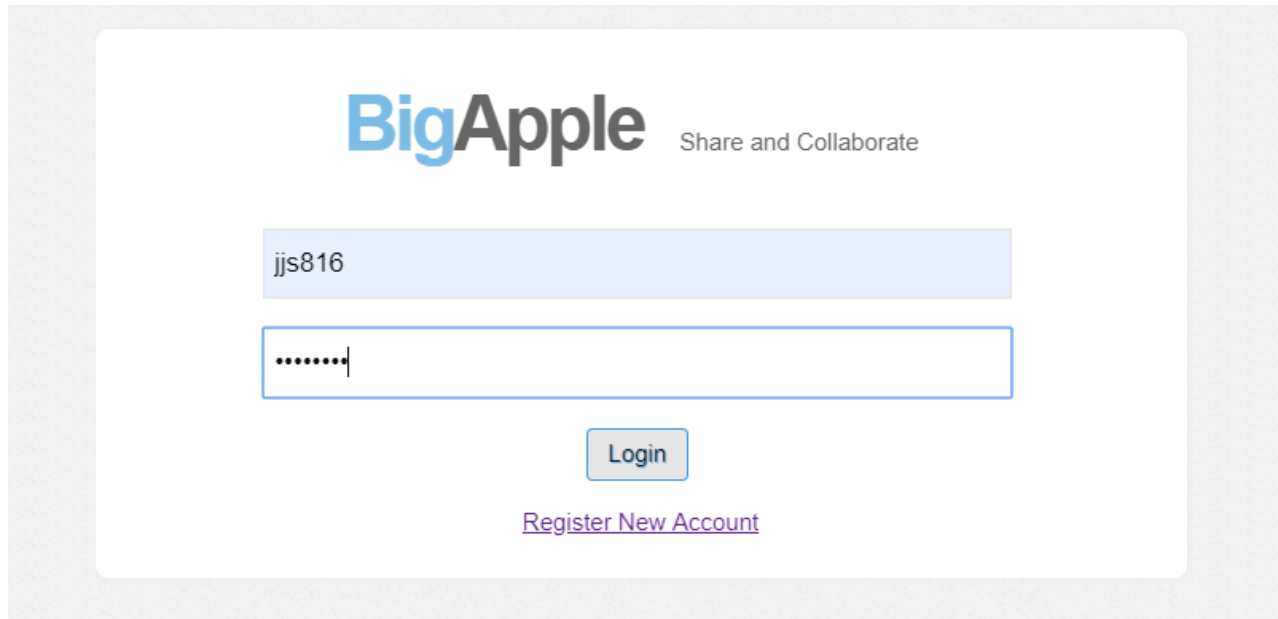
- Click Big Apple.localhost.
- Select Register New Account.
- Add details as show in the form page.



The screenshot displays the registration interface for 'BigApple'. The header features the 'BigApple' logo in blue and black, followed by the tagline 'Share and Collaborate'. The form consists of several input fields: 'First Name', 'Last Name', 'Email', 'Confirm Email', 'Password', 'Confirm Password', and 'SSN'. Each field is a simple text box with its label inside. Below the 'SSN' field is a blue 'Register' button. At the bottom of the form, there is a link that reads 'Already have an account? Sign in here!' in purple text.

Employee Login Page:

- Enter user-id
- Enter Password




The image shows a login page for 'BigApple'. At the top, the logo 'BigApple' is displayed in blue and grey, with the tagline 'Share and Collaborate' to its right. Below the logo, there are two input fields: the first contains the text 'jjs816', and the second contains seven dots, indicating a password field. A 'Login' button is positioned below the password field. At the bottom of the form, there is a link that reads 'Register New Account'.

Employee Home Page:


On login the employee views the home page with the follow features. (User is referred to the employee)

Features:

- List of all the pages that the user can visit from the home page.
- The number of posts posted by the user.
- The number of likes by the user.
- The Profile pic of the user.
- The area where the user can post the articles.
- The option to add Multimedia content and along with the titles.
- Options on setting the privacy level of all the posts.
- View Area for all the posts that are public and shared by friends and team-mates.
- Option to comment on the post.
- Option to like or dislike the post.
- Option to delete the post.
- Option to search for other Users in the organization.


Share and Collaborate


[Home](#)
[Jay](#)
[Friends](#)
[Settings](#)
[Log out](#)




[Jay Shah](#)
Posts: 4
Likes: 2

☒ Public
☐ Private
☐ Team


Select image to upload:
 No file chosen


[Rahul Keswani](#) 8 years ago
Had the best curly fries ever!


[Comments\(2\)](#)
[Unlike 0](#)
[Like 1](#)



[Gauri Sarode](#) 8 years ago
In the intense meeting discussion!

Comment Frame:


[Gauri Sarode](#) 8 years ago
In the intense meeting discussion!

[Comments\(3\)](#) [Unlike 0](#) [Like 1](#)


[Rahul Keswani](#) 8 years ago
Where is this!


[Shubham Aggarwal](#) 8 years ago
How does this work?

Multimedia Posts:



[Anshul Garg](#) 4 hours ago
Multimedia

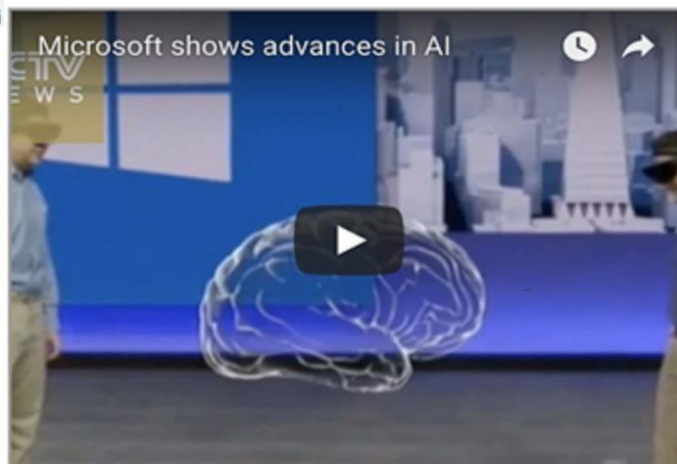
I love this show



Comments(0) Unlike 0 Like 1



[Jay Shah](#) 1 minute ago



Comments(1) Unlike 0 Like 1

Location Post:



[Gauri Sarode](#) 8 years ago




Too hectic here in New Tork





Comments(3)


Unlike 0 Like 1

Search Frame:



[Gauri Sarode](#)
[gss383](#)

[Jay Shah](#)
[jjs816](#)

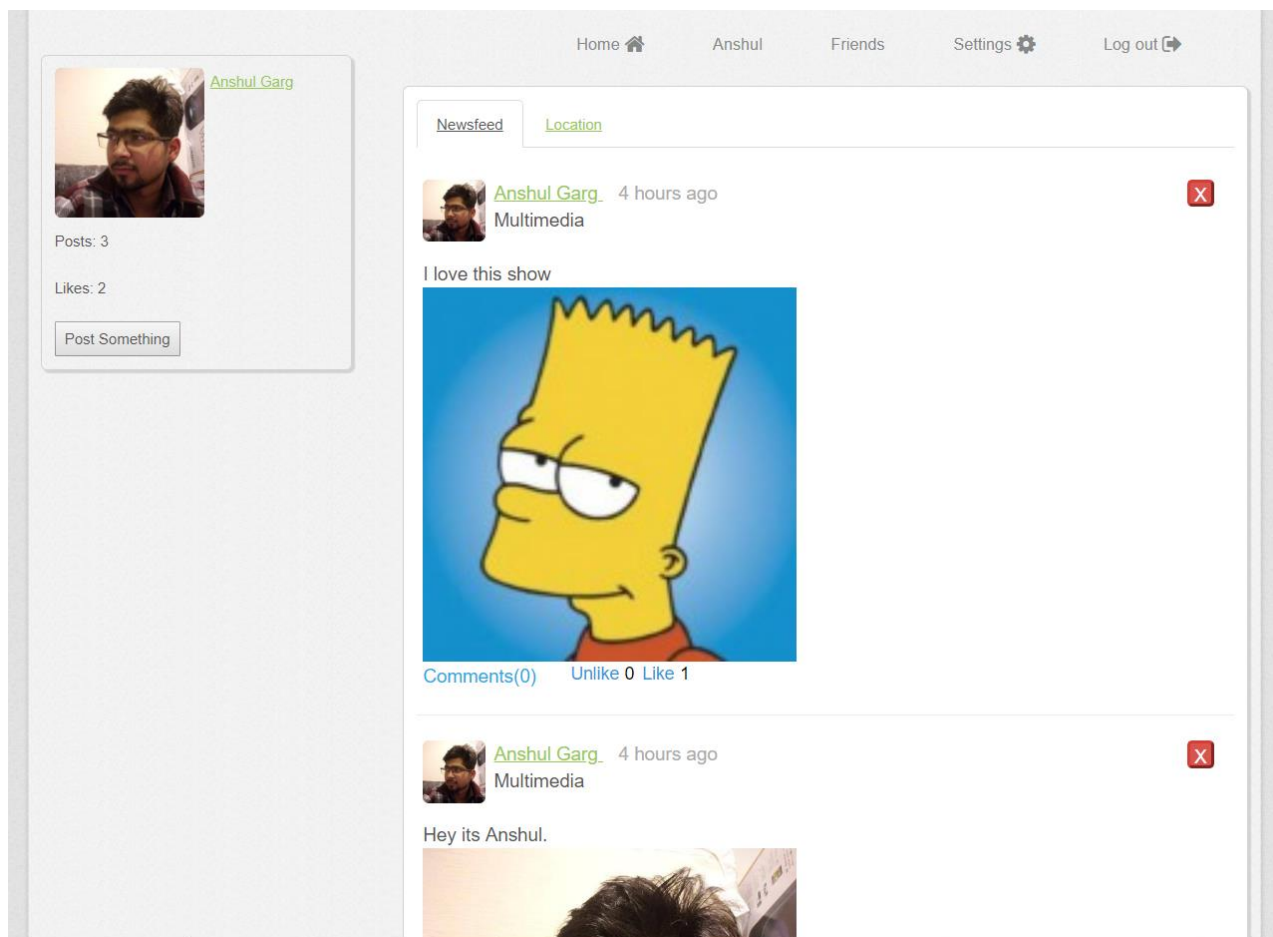
[Shubham Aggarwal](#)
[sa4920](#)

[See All Results](#)

Employee Profile Page:

Features:

- View all his posts.
- View total number of likes, posts and friends.
- Option to comment on the post.
- Option to like or dislike the post.
- Option to delete the post.
- Option to search for other Users in the organization.
- Viewing the current location.
- Sharing the location.
- Posting to walls.
- Responding to the friend requests.
- Messaging colleagues.



Info Page:




Rahul Keswani

Posts: 3

Likes: 2

Post Something Send

Location Finder:






Anshul Garg

Posts: 3

Likes: 2


Post Something

Home  Anshul Friends Settings  Log out 

Newsfeed Location

Click the button to get your position.

Location Finder



Google Map data ©2019 Google Terms of Use

Post something to frame:

Post something!

This will appear on the user's profile page and also their newsfeed for your friends to see!

Got something to say?

Post

☒ Public

☐ Private

☐ Team

Friends View Page:

View Friend Requests:

Friend Requests

Anshul Garg sent you a friend request!

Accept

Ignore

Rahul Keswani sent you a friend request!

Accept

Ignore

Friend list



[Jay Shah](#)

User Setting:

- User can update his or her profile settings.
- User can update his password and his name.

The screenshot shows the 'Account Settings' page for a user named Anshul Garg. On the left, there is a profile card with a photo of Anshul Garg, his name, and statistics: 'Posts: 3' and 'Likes: 2'. The main content area is titled 'Account Settings' and includes a profile picture upload section with a link 'Upload new profile picture'. Below this, a message says 'Modify the values and click 'Update Details''. The form contains several input fields: 'First Name' (Anshul), 'Last Name' (Garg), 'Email' (ag6516@nyu.edu), 'Designation' (Data Engineer), 'Skills' (Java React), 'Manager' (Gauri), 'Gender' (Male), and 'Address' (Bayridge). There is a blue 'Update Details' button. Below the form, there is a 'Change Password' section with three input fields: 'Old Password', 'New Password', and 'New Password Again'. A blue 'Update Password' button is at the bottom of this section. The top navigation bar includes links for 'Home', 'Anshul', 'Friends', 'Settings', and 'Log out'.

Logout:

Selecting logout would kill the session and allow user to logout from Big Apple.

The screenshot shows the login page for 'BigApple'. The header features the 'BigApple' logo and the tagline 'Share and Collaborate'. Below the header, there are two input fields: 'BigApple ID' and 'Password'. A blue 'Login' button is positioned below these fields. At the bottom, there is a link 'Register New Account' in purple text. The page has a clean, modern design with a light gray background.

Additional Use Cases / Features

Send Messages to Users:

Newsfeed

Message

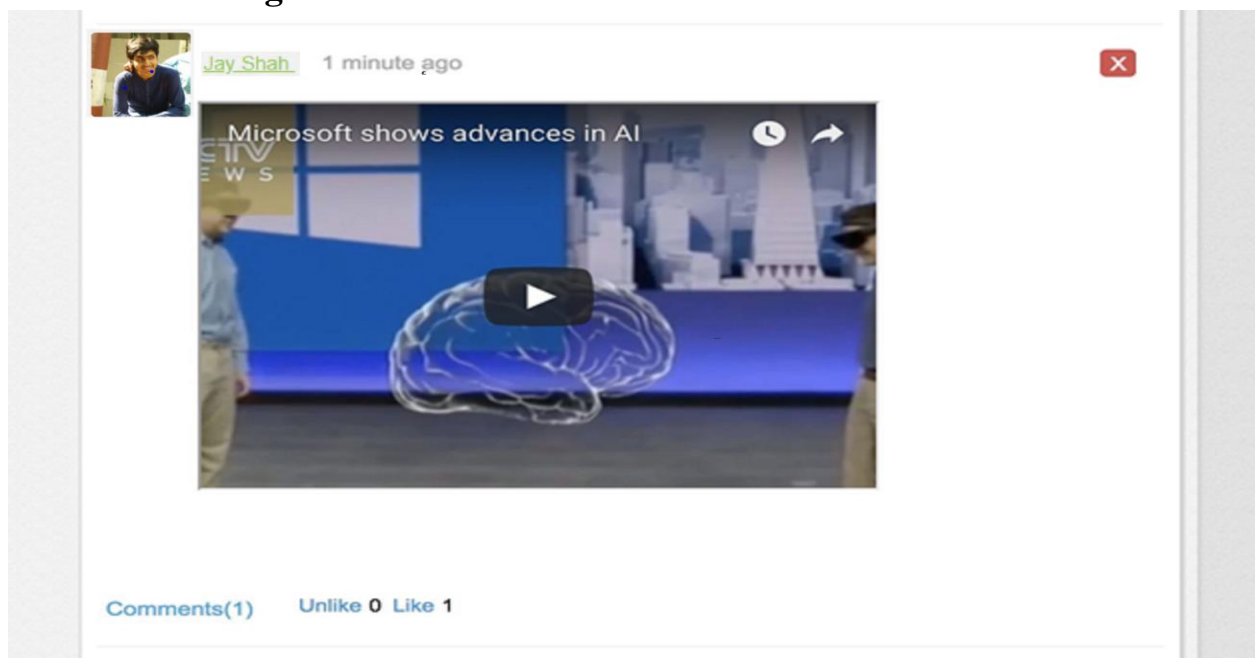
You and Geetesh

'No new messages'

hey how is the work on modulo going on..

SendDelete

Video embedding



Schema Remodeling

Following schema redesigning attempts were made in the development phase of Big Apple.

- Add attribute **profile_name** in signin table to link between employee and registered_employee table.
- Add **deleted** column in location, likes, post, wall and multimedia table to keep a track of all the post and comments that have been deleted.

Relations after the changes:

Signin:

				ssn	password	profile_name
<input type="checkbox"/>		Edit		Copy		Delete
				378092902	password	ag6516
<input type="checkbox"/>		Edit		Copy		Delete
				407840577	password	akk198
<input type="checkbox"/>		Edit		Copy		Delete
				742347661	password	gss383
<input type="checkbox"/>		Edit		Copy		Delete
				742347663	password	jjs816
<input type="checkbox"/>		Edit		Copy		Delete
				940237837	password	ryk123
<input type="checkbox"/>		Edit		Copy		Delete
				379486342	password	sa4920

Wall:

post_id	profile_name	deleted	access_id
post_2	gss383	yes	P
post_3	jjs816	yes	P
post_4	gss383	no	P
post_5	gss383	no	P
post_6	ryk123	no	P
post_7	jjs816	yes	P
post_8	jjs816	yes	P
post_9	jjs816	yes	P
post_10	jjs816	no	P
post_11	jjs816	no	P

Multimedia:

<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>				multimedia_id	post_id	multimedia_name	Multimedia_type	multimedia_content	access_id	deleted			
<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>	<div><div><div></div></div><div><div></div></div></div>	Edit	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Copy	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Delete	mul_10	post_1	Day one at Miami!	jpg	[BLOB - 55 B]	P	no
<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>	<div><div><div></div></div><div><div></div></div></div>	Edit	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Copy	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Delete	mul_2	post_2	Florida image	jpg	[BLOB - 15 B]	P	no
<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>	<div><div><div></div></div><div><div></div></div></div>	Edit	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Copy	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Delete	mul_4	post_3	Pizza	jpg	[BLOB - 15 B]	S	no
<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>	<div><div><div></div></div><div><div></div></div></div>	Edit	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Copy	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Delete	mul_6	post_13	Hi	jpg	[BLOB - 46 B]	P	no
<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>	<div><div><div></div></div><div><div></div></div></div>	Edit	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Copy	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Delete	mul_7	post_14	Thats me.	jpg	[BLOB - 47 B]	P	no
<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>	<div><div><div></div></div><div><div></div></div></div>	Edit	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Copy	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Delete	mul_8	post_15	Hey its Anshul.	jpg	[BLOB - 49 B]	P	no
<div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div>	<div><div><div></div></div><div><div></div></div></div>	Edit	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Copy	<div><div><div></div></div><div><div></div></div></div> <div><div></div></div>	Delete	mul_9	post_16	I love this show	jpg	[BLOB - 89 B]	P	no

Likes:

<div><div><div></div><div></div><div></div></div></div>			like_id	post_id	multimedia_id	comment_id	loc_id	viewer_name	like_time	deleted
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_1	post_16	NULL	NULL	NULL	ag6516	2019-05-12 00:00:00	no
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_2	post_8	NULL	NULL	NULL	jjs816	2019-05-12 00:00:00	no
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_3	post_6	NULL	NULL	NULL	jjs816	2019-05-12 00:00:00	no
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_4	post_5	NULL	NULL	NULL	jjs816	2019-05-12 00:00:00	no
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_5	post_4	NULL	NULL	NULL	jjs816	2019-05-12 00:00:00	no
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_6	post_1	NULL	NULL	NULL	jjs816	2019-05-12 00:00:00	no
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_7	post_14	NULL	NULL	NULL	jjs816	2019-05-12 00:00:00	no
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div></div>	<div><div><div></div><div></div><div></div></div></div>	like_8	post_12	NULL	NULL	NULL	jjs816	2019-05-12 00:00:00	no

Future Implementation

Big Apple will continue to expand to incorporate additional features as:

- Real Time Chat application.
- Real Time Notification.
- News Trendz.
- Push Notification.

Technology Stack

Big Apple is developed using the following technologies.

- Frontend: HTML5, CSS, JavaScript, JQuery, Ajax.
- Middleware: PHP Backend: MySQL.