



# Insta Social - A clone of Instagram

Installation & Features Documentation



**Instasocial**

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QUALITY THROUGH RESEARCH



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## **1. Summary**

Instasocial is an user friendly mobile application that is more alike instagram and lets you create a personalized app similar to instagram at ease. This app is packed with numerous features that lets you capture and share the highlights and the things you love. Make use of the image or video filters coupled with editing features and make interactive posts with likes and comments. Discover and browse through photos or videos from the friends you follow and see what they're up to. Above all, the application is clean coded and well documented for easier configuration and customization. In addition, a detailed technical documentation is provided for better understandability.

## **2. Server Requirements**

### **PHP Settings**

- PHP 7.1.3+

### **Operating systems**

- Apache/Ubuntu 16.04

### **Database**

- MySQL 5.6+

### **Web Server**

- Node v9.5.0

### **Minimum Requirement**

- Node 6.9.x
- NPM 3.x.x

### **Angular CLI Requirements**

- Angular-cli
- Node ( Latest version )
- NPM
- NPM forever



### 3. Installation & Code Configuration

- ❖ Need to change the API url in **admin-panel/src/data/constant.ts** file to process the backend admin panel. [Refer Fig 3.1 ]
- ❖ Need to give 777 permission to the following folders (**api/storage, api/uploads, api/pages, api/resources/ffmpeg, api/resources/views/email**)
- ❖ Need to change db configuration in **.env** file under **api/** folder [Refer Fig 3.2]
- ❖ Need to set app\_url in **.env** file under **api/** folder [Refer Fig 3.2]
- ❖ Need to update the mysql path in **app.php** under **api/bootstrap/** folder [Refer Fig 3.3]
- ❖ API list will come under baseurl/api/ ( http://example.com/api )

**Figure 3.1**

```
export const constant = {
  apiurl: 'http://example.com/api/',
  userimgurl: 'http://example.com/api/image/user/',
  favilogoimage: 'http://example.com/api/uploads/images/logo/',
  itemsPerPage: 10,
  login: 'user/login',
  forgot: 'user/adminforgotpwd',
  getpostuser: 'admin/post-user-count',
  admindashboard: 'admin/dashboard-details',
  adminusers: 'adminuser/user_list',
  admincmslist: 'admin/pages',
  admincmsaction: 'admin/pageaction',
  adminposts: 'admin/post-lists',
  adminpostdetails: 'admin/post-details',
  adminpostcmts: 'admin/post-comments',
  adminpostlks: 'admin/post-likes',
  adminpoststatus: 'admin/post-comment-status',
  adminchangepassword: 'user/change_password',
  adminprofileinfo: 'user/profileinfo',
  adminsaveprofile: 'admin/updateprofile',
  adminfileupload: 'fileupload',
  memberdetails: 'user/profileinfo',
  memberpostlist: 'admin/memberpostlist',
  memberfollowerlist: 'admin/user/followers_list',
  memberfollowinglist: 'admin/user/following_list',
  adminpostreports: 'admin/post-report-list',
  userstatusupdate: 'admin/user/status_update',
  settingupdate: 'admin/setting',
  getgeneraldata: 'admin/general',
  settingmailupdate: 'admin/mailsetting',
  getmailsetdata: 'admin/getmaildata',
  getmailtemplate: 'admin/getmailtemplate',
  updatemailtemplate: 'admin/mailtemplateupdate'
};
```



**Figure 3.2**

```
APP_ENV=local
APP_DEBUG=true
APP_KEY=
APP_TIMEZONE='Asia/Calcutta'
DB_TIMEZONE='+05:30'

DB_CONNECTION=mysql
DB_HOST=localhost
DB_PORT=
DB_DATABASE=
DB_USERNAME=
DB_PASSWORD=

CACHE_DRIVER=file
QUEUE_DRIVER=sync

REDIS_HOST=127.0.0.1
REDIS_PASSWORD=null
REDIS_PORT=6379

MAIL_DRIVER=smtp

MAIL_HOST=smtp.mailtrap.io
MAIL_PORT=2525
MAIL_USERNAME=1f27991c9c9428
MAIL_PASSWORD=90639b5edb3648
MAIL_ENCRYPTION=tls

APP_URL=http://example.com/instasocial/api/
```



**Figure 3.3**

```
<?php

require_once __DIR__ . '/../vendor/autoload.php';

try {
    (new Dotenv\Dotenv(__DIR__ . '/../'))->load();
} catch (Dotenv\Exception\InvalidPathException $e) {
    //
}

/*
|-----
| Create The Application
|-----
|
| Here we will load the environment and create the application instance
| that serves as the central piece of this framework. We'll use this
| application as an "IoC" container and router for this framework.
|
|*/

$app = new Laravel\Lumen\Application(
    realpath(__DIR__ . '/../')
);

$app->withFacades();
$app->withEloquent();

$app['config']->set('database.connections.mysql.unix_socket', '/opt/lampp/var/mysql/mysql.sock');

/*
|-----
| Register Container Bindings
|-----
|
| Now we will register a few bindings in the service container. We will
| register the exception handler and the console kernel. You may add
| your own bindings here if you like or you can make another file.
|
|*/

$app->singleton(
```



## 4. Mobile Features

### 4.1. Account setup

- ❖ Register an account by adding the basic information and profile photo. [Refer Fig 4.1.1]
- ❖ Once an account is created, gain access to the app by providing the username/email and password. [Refer Fig 4.1.2]
- ❖ Alternatively, users can login to the app by means of facebook login as well.

**Figure 4.1.1**

The registration form for the InstaSocial app is displayed. At the top, there is a circular icon with a person silhouette and a plus sign, labeled 'add profile'. Below this, the form consists of several input fields: 'First name', 'Last name', 'Email address', 'User name', 'Country', 'State', and 'Password'. Each field is represented by a horizontal line with its label above it.

**Figure 4.1.2**

The login form for the InstaSocial app is displayed. At the top, there is a camera icon with a share symbol inside, labeled 'Instasocial'. Below this, the form consists of two input fields: 'Enter user name/email' and 'Password'. Below the password field is a blue button labeled 'Login'. To the right of the 'Login' button is a link labeled 'Forgot password?'. Below these is the word 'or'. Below 'or' is a dark blue button with a Facebook 'f' logo and the text 'Login with facebook'. At the bottom, there is a link labeled 'Don't have an account? Signup'.

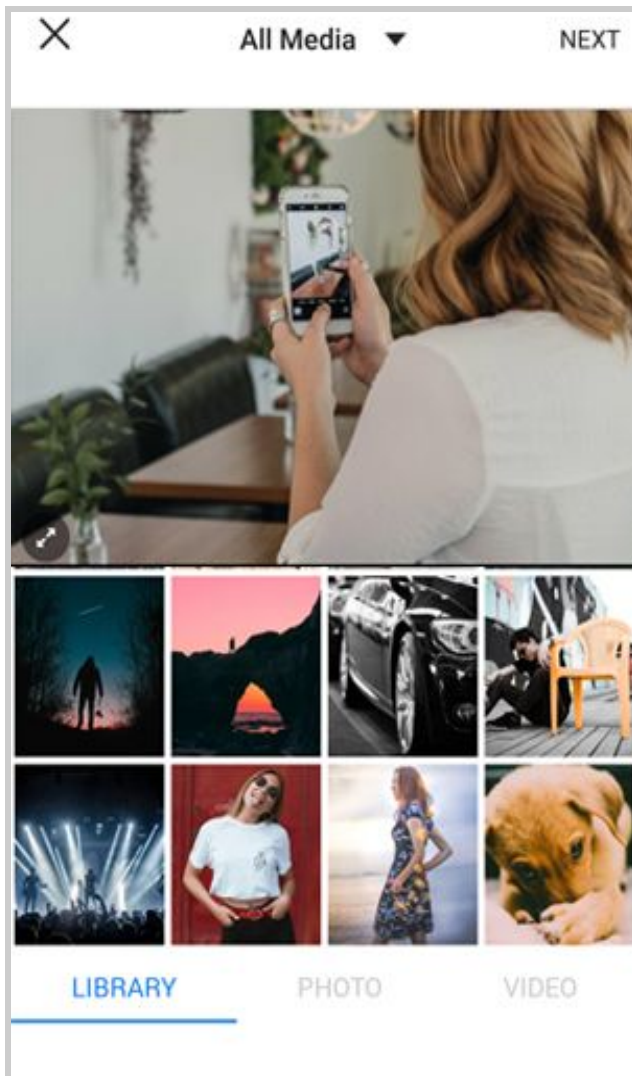




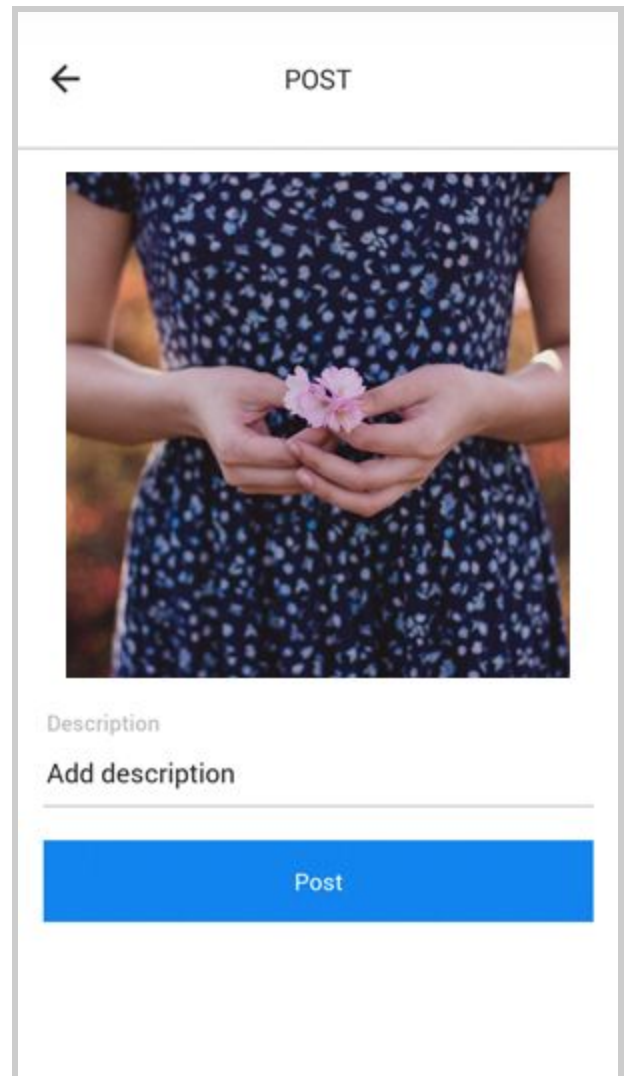
## 4.2. Post photos or videos

- ❖ This feature facilitates to post photos and videos which appears on profile grid.
- ❖ Users can view the most recent photos and videos in photo library. [Refer Fig 4.2.1]
- ❖ Moreover, users can also choose to take a new photo or video by tapping on “Photo” or “Video” . [Refer Fig 4.2.1]
- ❖ Posts can be captioned, that appears just below the media when the post is published. [Refer Fig 4.2.2]

**Figure 4.2.1**



**Figure 4.2.2**



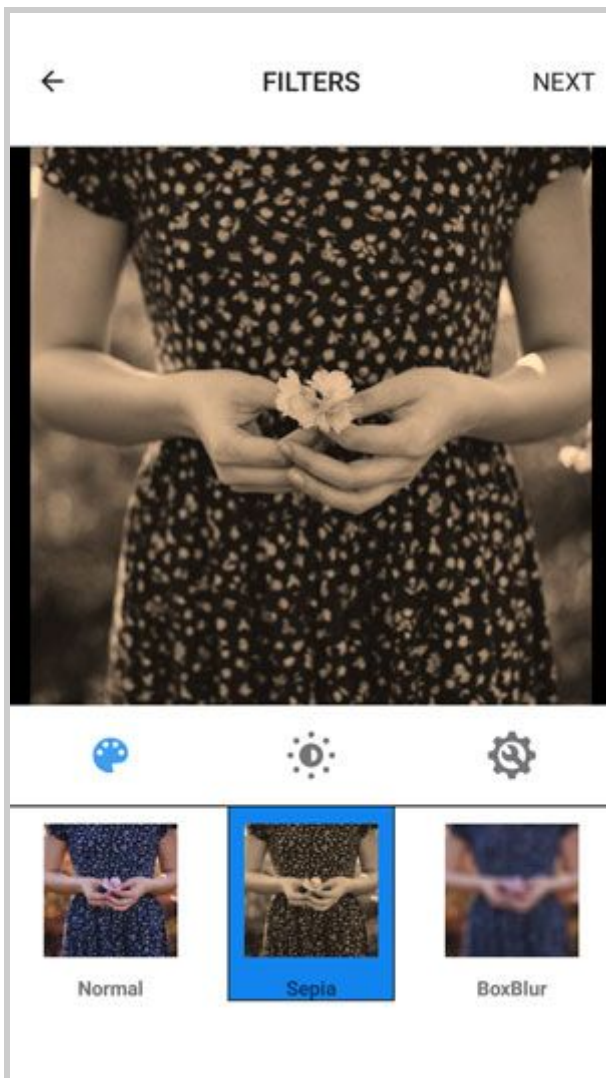




### 4.3. Image and video filters

- ❖ Instasocial provides several edit options that enhances the images or videos.
- ❖ Once the media is selected, users can apply a filter, crop portions of the image or edit its brightness, contrast, and more. [Refer Fig 4.3.1 & Fig 4.3.2]
- ❖ Similarly, videos can be edited by adding filters and by toggling the audio option.

**Figure 4.3.1**



**Figure 4.3.2**

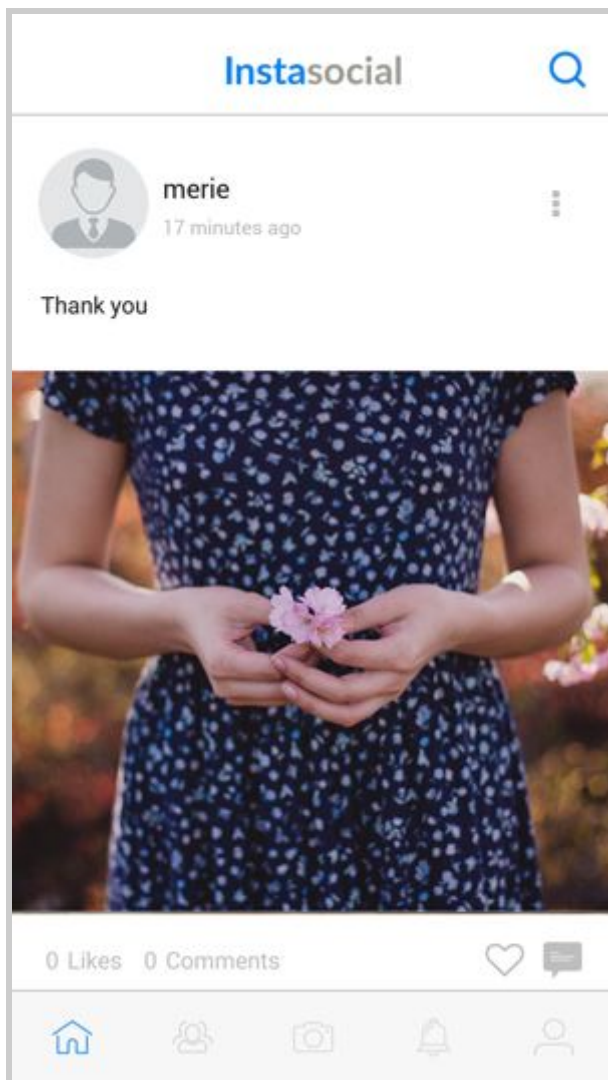




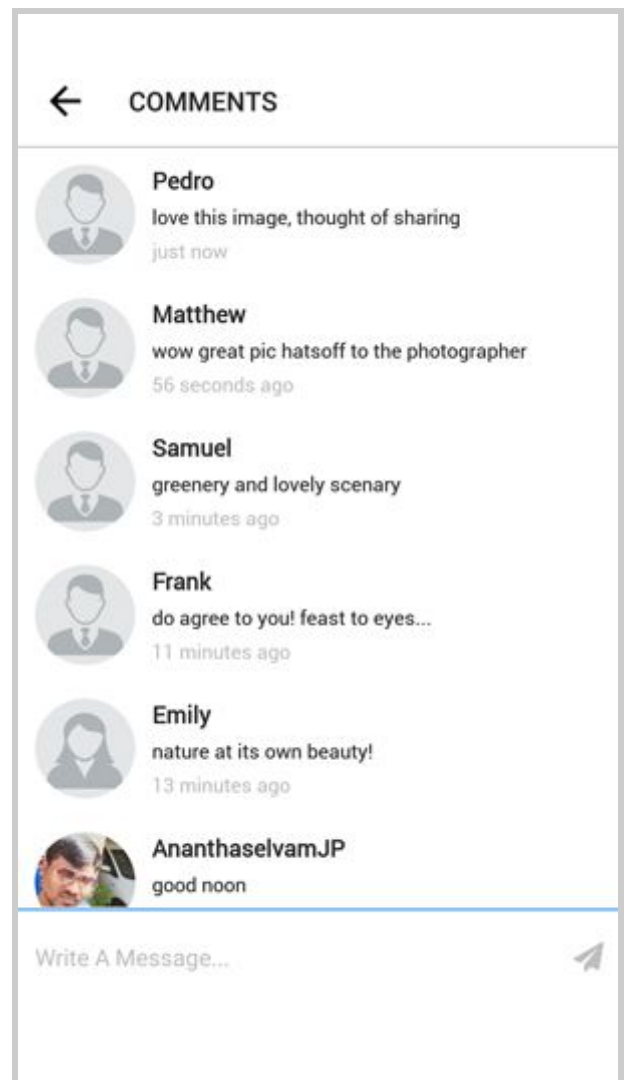
## 4.4. Media posts

- ❖ Users can view a scrollable feed of photos or videos, those they have added or shared by the people you follow. [Refer Fig 4.4.1]
- ❖ You can tap on the heart image to like it, or press the speech bubble icon to comment on the post. Inappropriate posts can be reported. [Refer Fig 4.4.2]

**Figure 4.4.1**



**Figure 4.4.2**

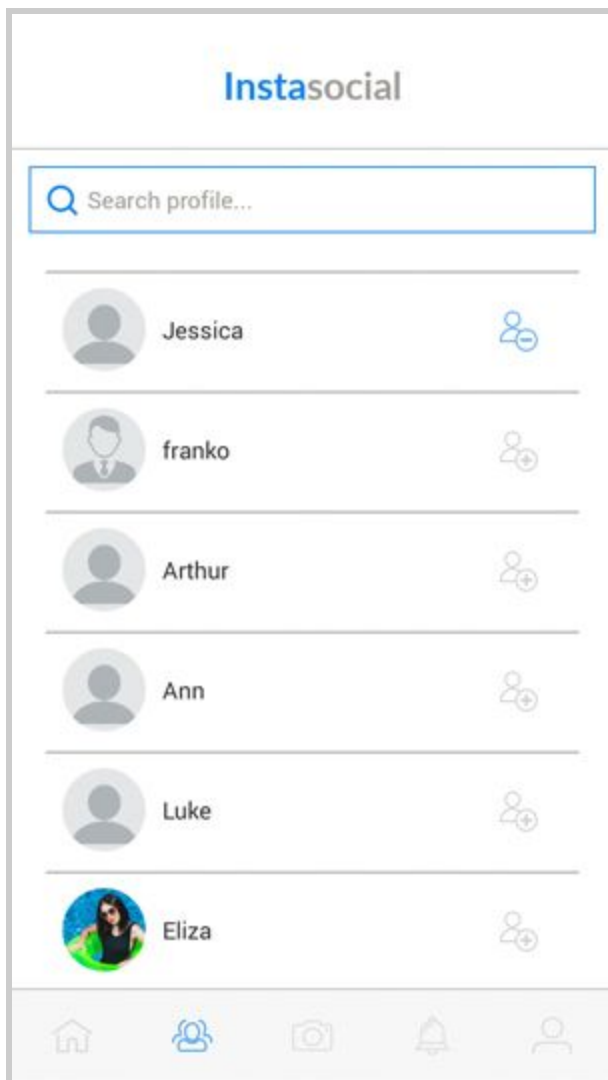




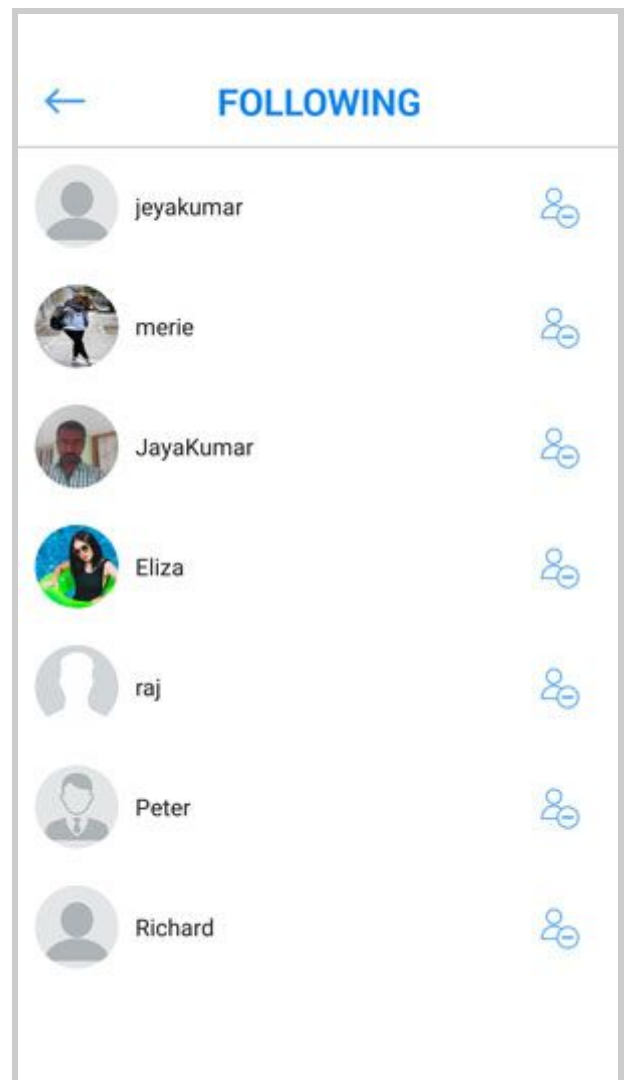
## 4.5. Follow users

- ❖ Go on and connect with people by searching friends using their name in People tab. [Refer Fig 4.5.1]
- ❖ Tap the search bar at the top to search for users, view user's profile and opt to follow or unfollow them. [Refer Fig 4.5.2]
- ❖ Once you've followed some users, you'll begin to see their photos appear in your news feed, accessed by tapping the icon that looks like a house on the bottom bar.

**Figure 4.5.1**



**Figure 4.5.2**

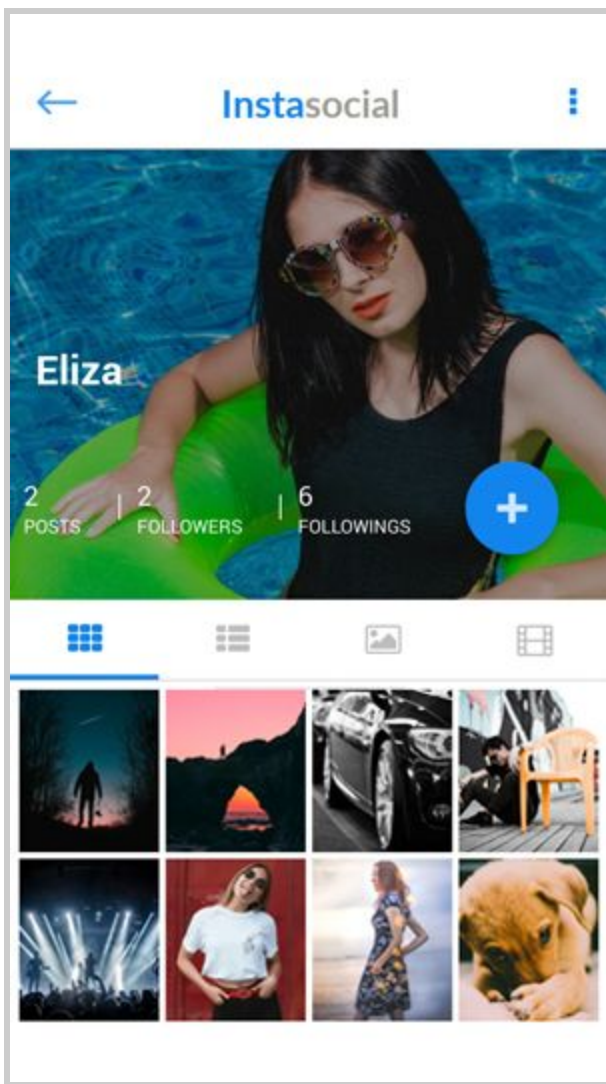




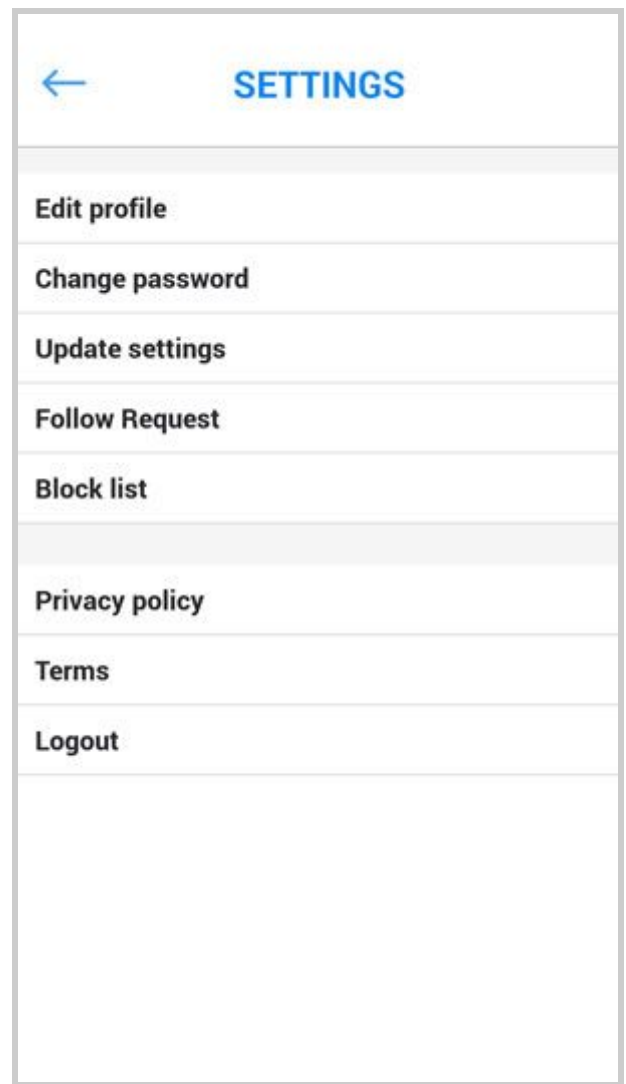
## 4.6. Profile

- ❖ You can have a look at your account by viewing the posts that you have added, the list of followers and the list of users whom you follow. [Refer Fig 4.6.1]
- ❖ Further, options are available to edit the profile info, reset password, view follow requests from other users and the list of blocked users. [Refer Fig 4.6.2]

**Figure 4.6.1**



**Figure 4.6.2**

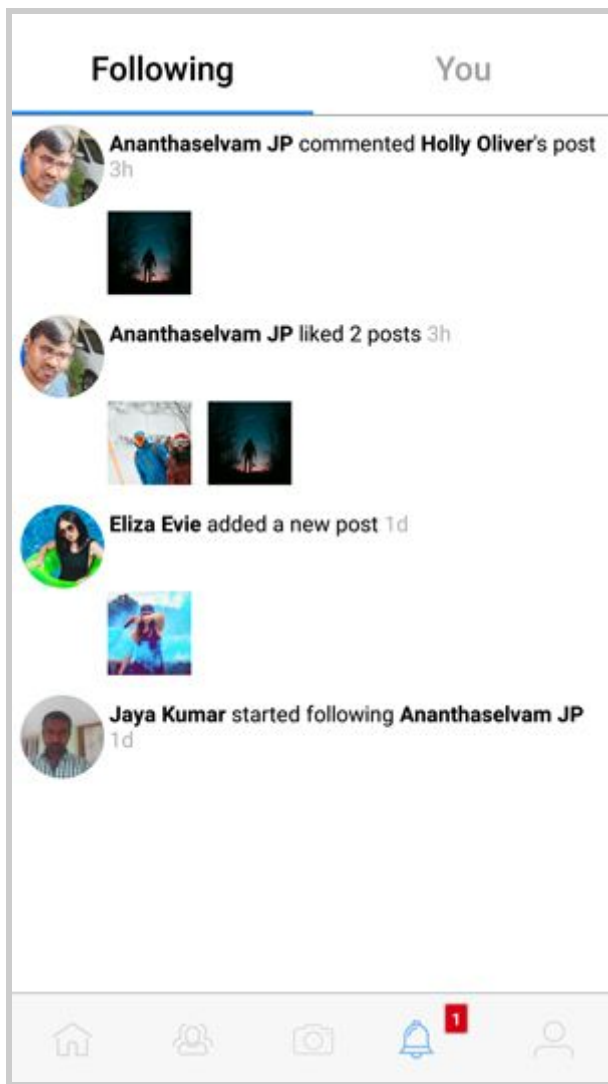




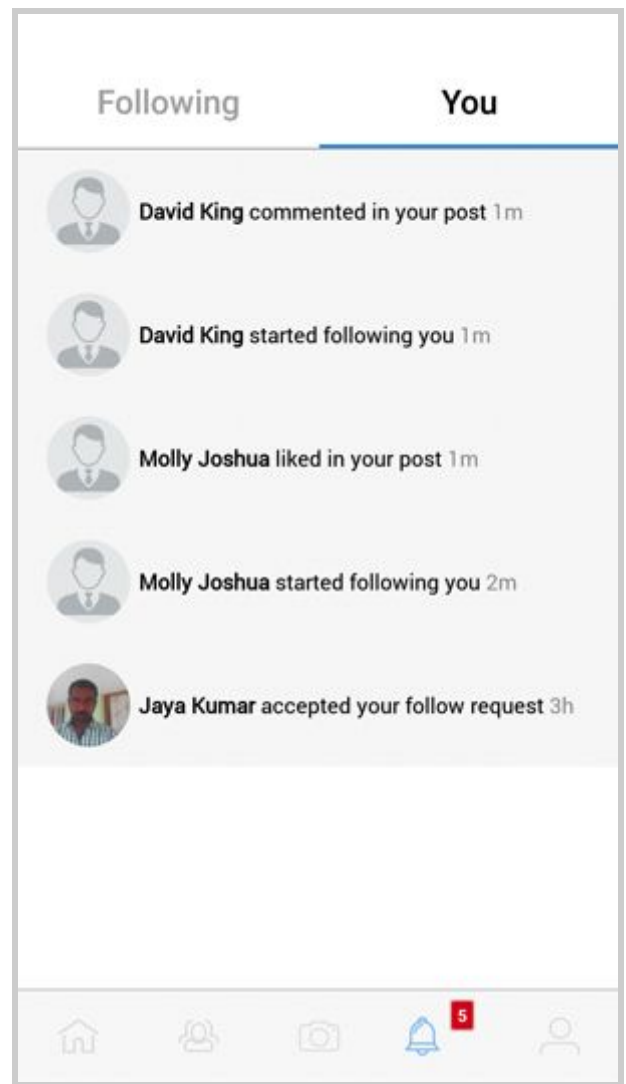
## 4.7. Onesignal notification

- ❖ Notifications are segregated as **You** and **Following**.
- ❖ By tapping '**Following**', you can see what the people you follow have been liking, and who they've started following too. [Refer Fig 4.7.1]
- ❖ Whereas '**You**' contains all of your recent activity. [Refer Fig 4.7.2]
- ❖ To control the notifications on your device, click on the **Settings** while viewing your profile and you can enable or disable notifications.

**Figure 4.7.1**



**Figure 4.7.1**







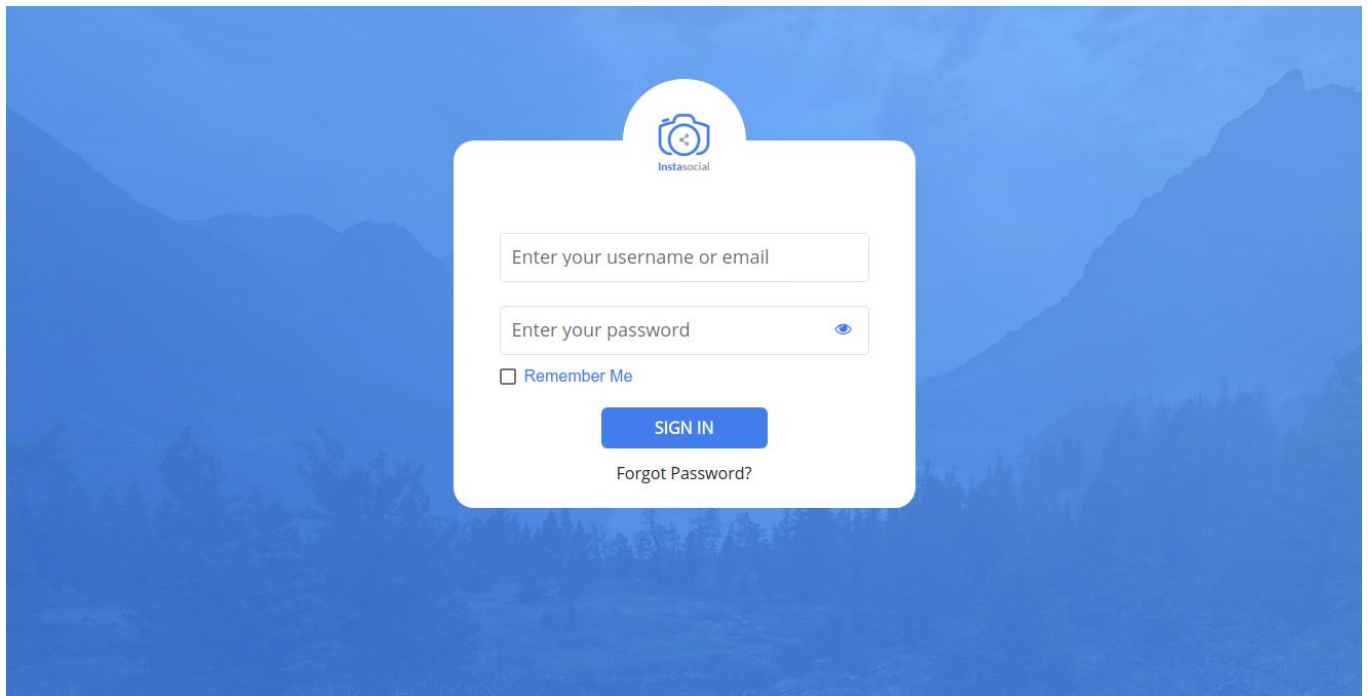
## **5. Web Features ( Admin Web Portal )**

### **5.1 Introduction :**

- ❖ A Web portal is most often a specially designed web application that brings information
- ❖ together from diverse sources in a uniform way.
- ❖ It is the gateway to manage data.
- ❖ Admin can configure anything to everything about the Application on admin panel. It is the place where admin can control & handle entire application.

### **Admin Login :**

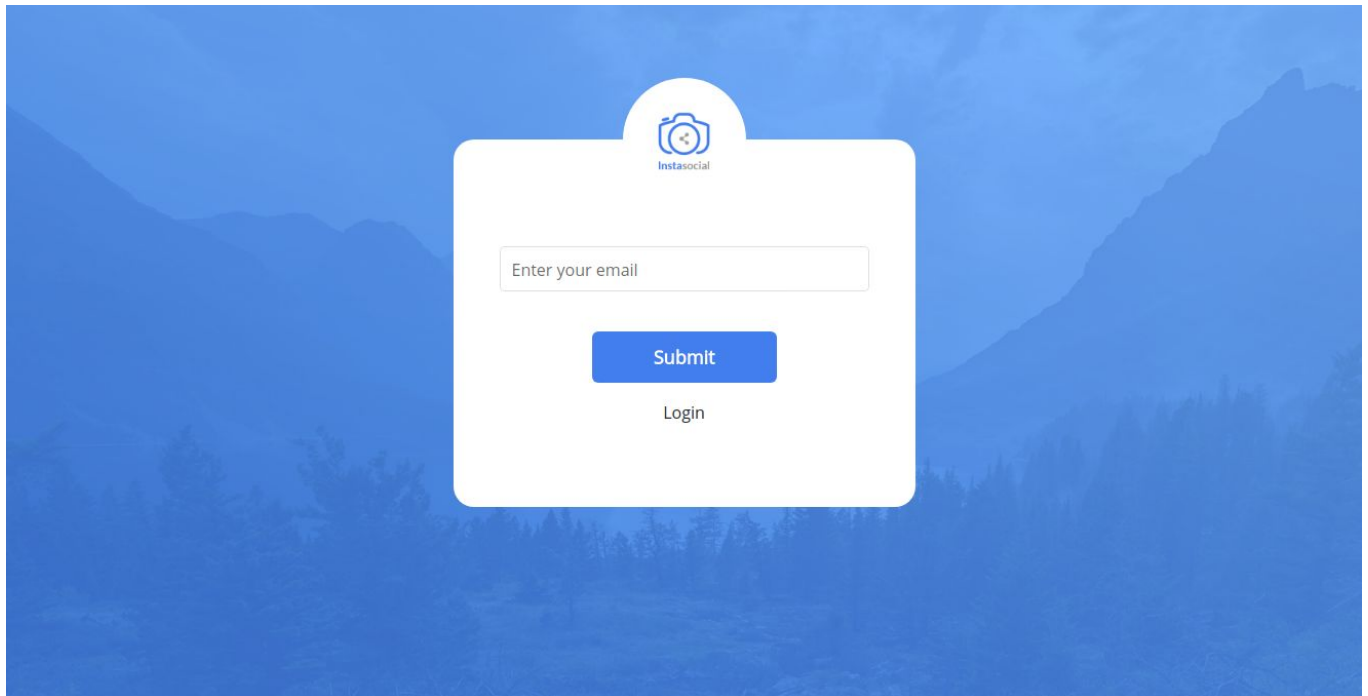
**Figure 5.1.1**





## Admin Forgot Password :

**Figure 5.1.2**



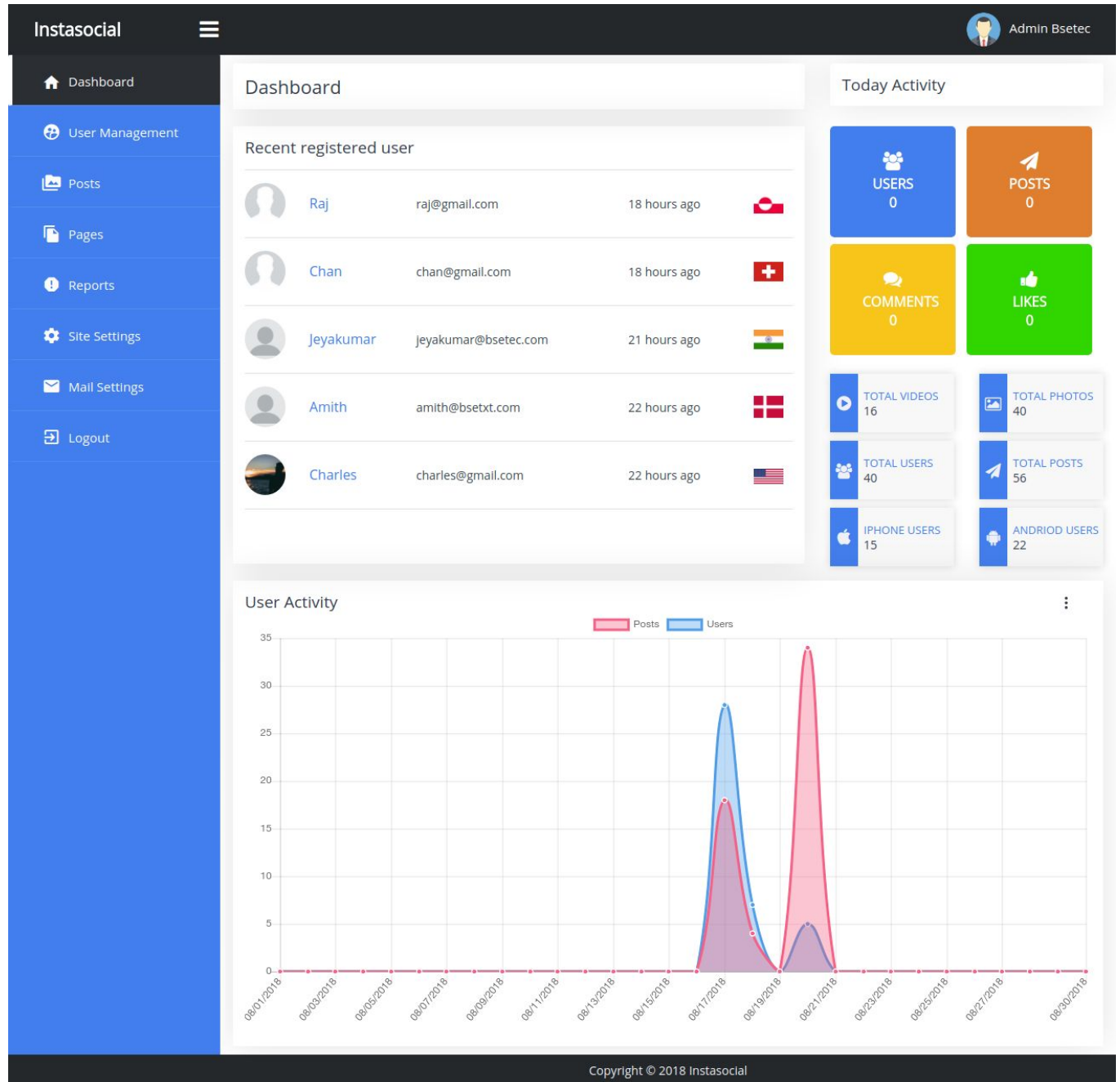
## 5.2. Dashboard:

- ❖ Admin dashboard is useful to know the crispy information about the site insights.
- ❖ Should display the recent registered users
- ❖ Admin can know the user activities in graphical manner, post / likes / comments & user ( Android & IOS ) count. [\[Refer Fig 5.2.1\]](#)





**Figure 5.2.1**





### 5.3. User Management :

- ❖ The purpose of this segment is to allow admin to view all site user details. [Refer Fig 5.3.1]
- ❖ Admin can view user details like Name, Email, Join info, Country & Last Login. User's posts detail, Post's likes / comments count, followers & following count. [Refer Fig 5.3.2]
- ❖ Here admin can deactivate the user if any issues on them.
- ❖ Filtration options are available, which allow admin to filter by Username, email..

**Figure 5.3.1**

The screenshot displays the 'User Listings' page in the Instasocial admin dashboard. The left sidebar contains navigation links: Dashboard, User Management (active), Posts, Pages, Reports, Site Settings, Mail Settings, and Logout. The main content area shows a table of users with columns for S.No, Profile, First Name, Last Name, Username, E-mail, Posts Count, Followers Count, Followings Count, Status, and Action. A search bar is located above the table. The table lists 10 users, all with a status of 'Active'. The footer indicates 'Copyright © 2018 Instasocial'.

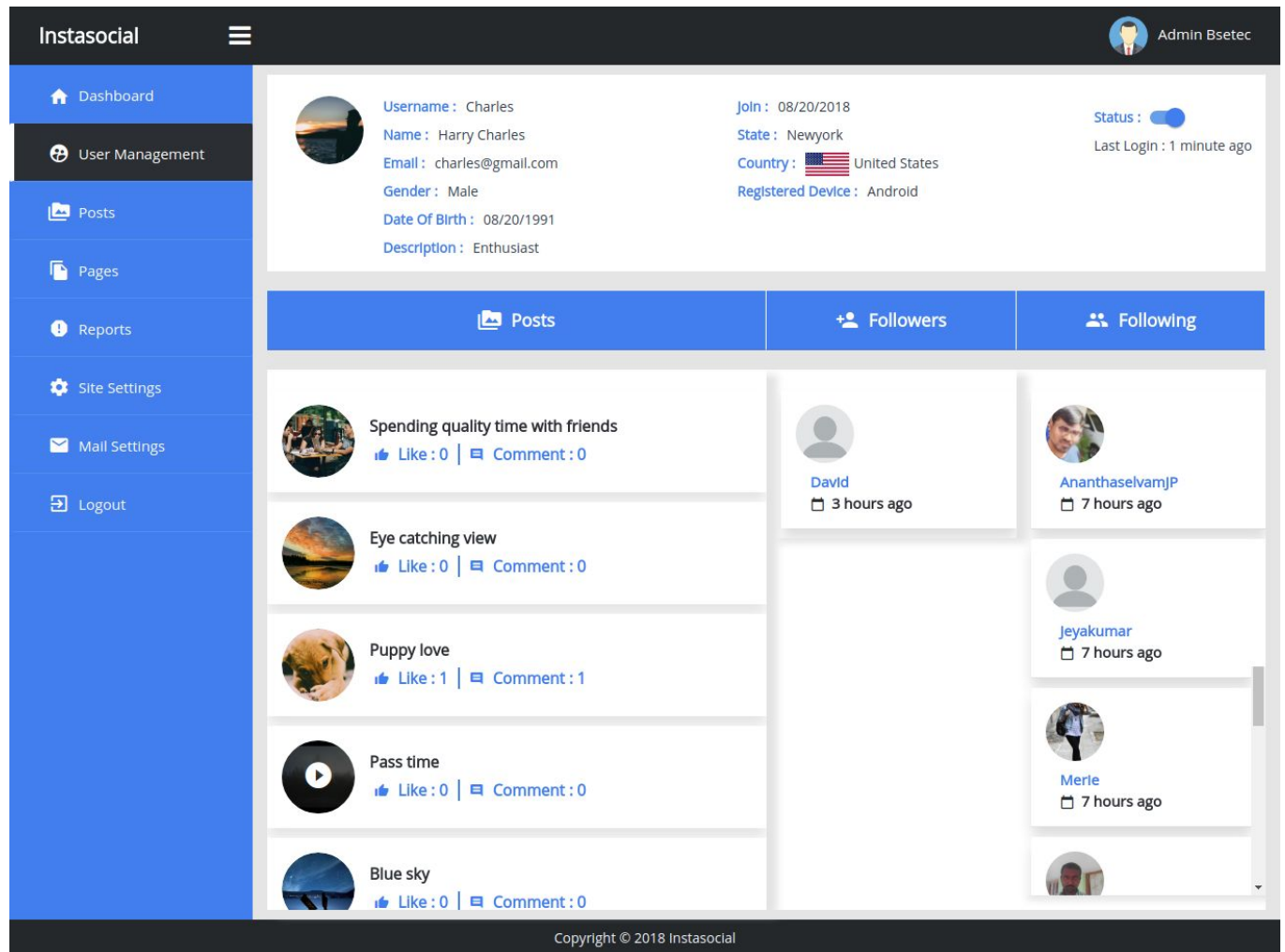
S.No	Profile	First Name	Last Name	Username	E-mail	Posts Count	Followers Count	Followings Count	Status	Action
1		Raj	ck	raj	bsetectesting17@gmail.com	0	1	0	Active	
2		Chan	Ch	chan	bsetectesting16@gmail.com	0	0	0	Active	
3		Jeya	kumar	jeyakumar1	jeyakumar1@bsetec.com	0	0	0	Active	
4		amith	kiran	amith	amith@bsetxt.com	2	1	2	Active	
5		Harry	Charles	Charles	charles@gmail.com	10	2	6	Active	
6		jack	smith	jack	jacksmith@gmail.com	0	1	1	Active	
7		Mike	Shinoa	mike	glen.marketa12@gmail.com	2	1	1	Active	
8		Jeya	kumar	jeyakumar	jeyakumar@bsetec.com	0	1	0	Active	
9		Ananthaselvam	JP	AnanthaselvamJP	p.ananth103@gmail.com	1	5	3	Active	
10		Priya	M	priya	mpriyaah@gmail.com	5	1	2	Active	

Items per page: 10    1 - 10 of 40    < >

Copyright © 2018 Instasocial



**Figure 5.3.2**



## 5.4. Manage Posts :

- ❖ Listing all posts, posted by site users through mobile application. [Refer Fig 5.4.1]
- ❖ Admin can view post details like Image or Video, posted timing, likes, comments. [Refer Fig 5.4.2]
- ❖ Option to disable the post or particular comment if any vulnerability find out.
- ❖ Filtration options are available for comments. Filter by status ( All, Active, Inactive ), username or email or comments.
- ❖ Integrated load more option to list all comments page by page.



**Figure 5.4.1**

Instasocial

Admin Bsetec

Dashboard

User Management

Posts

Pages

Reports

Site Settings

Mail Settings

Logout

Post Listings

Filter By Username

Search

Reset

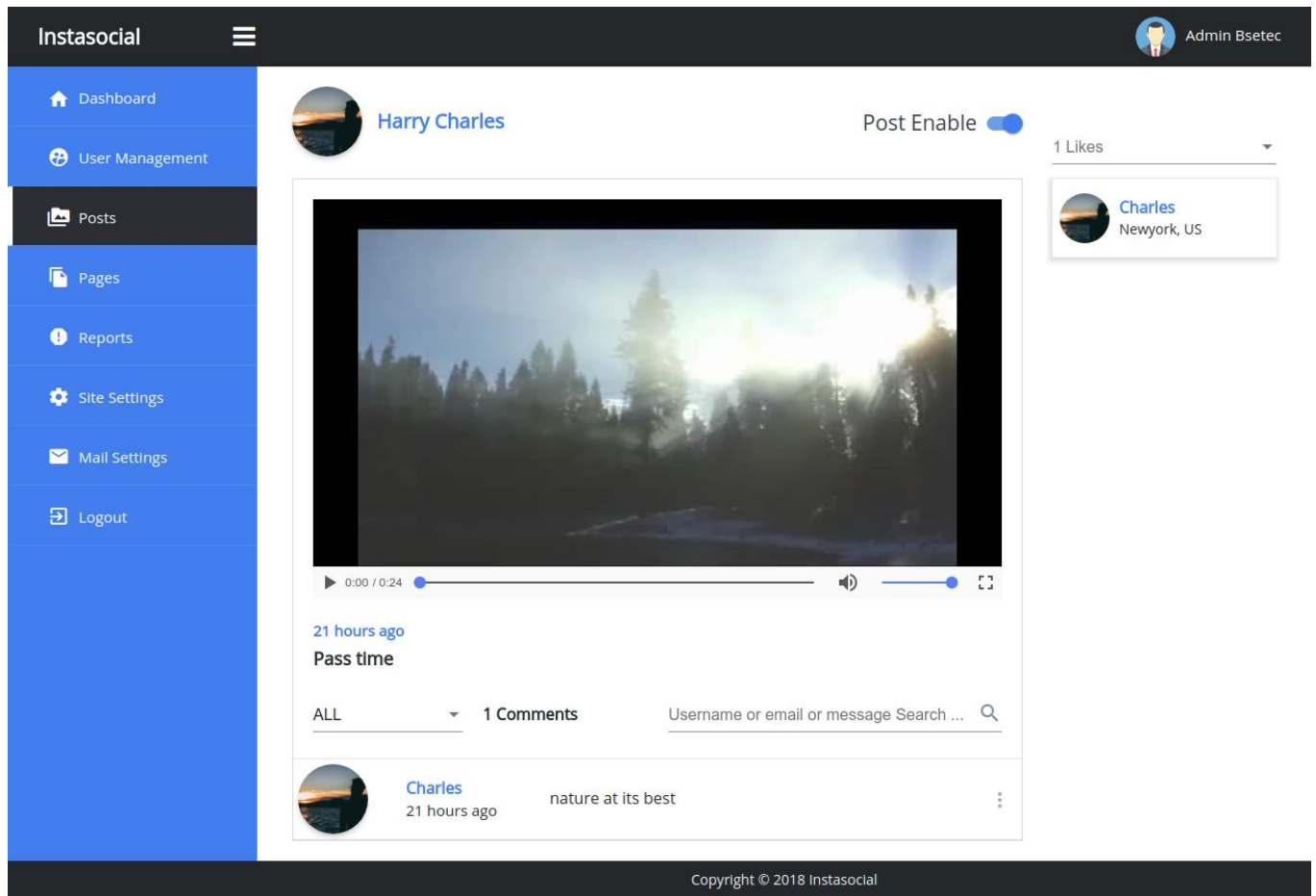
S.No	Username	Post Images	Status	Total Likes	Total Comments	Posted On	+ Action
1	Charles		Active	0	0	2018-08-20 18:59:37	
2	Charles		Active	0	0	2018-08-20 18:58:26	
3	Charles		Active	1	1	2018-08-20 18:57:24	
4	Charles		Active	0	0	2018-08-20 18:54:35	
5	Charles		Active	0	0	2018-08-20 18:53:43	
6	Charles		Active	0	0	2018-08-20 18:52:41	
7	Charles		Active	0	0	2018-08-20 18:52:03	
8	Charles		Active	0	0	2018-08-20 18:51:26	
9	Charles		Active	0	0	2018-08-20 18:49:26	
10	Reya		Active	1	0	2018-08-20 17:28:52	

Items per page: 101 - 10 of 52<>

Copyright © 2018 Instasocial



**Figure 5.4.2**



## 5.5. Manage Pages :

- ❖ Content management system is made easy through this module, as the admin can add or make changes within fraction of seconds, on static pages like terms or privacy policy.
- ❖ Listing all static pages which are created from admin panel. Please refer [\[Refer Fig 5.5.1\]](#)
- ❖ Here admin can add/edit details like title, description, meta description, meta keyword. Please refer [\[Refer Fig 5.5.2\]](#)
- ❖ They can make it as Active / Inactive.



**Figure 5.5.1**

The screenshot shows the Instasocial admin dashboard. The left sidebar contains navigation links: Dashboard, User Management, Posts, Pages (selected), Reports, Site Settings, Mail Settings, and Logout. The main content area is titled 'Pages' and features a search bar with 'Filter By Name or E-mail', 'Search', and 'Reset' buttons, along with an '+ Add Page' button. Below this is a table with columns: S.No, Title, Slug, Status, and + Action. The table contains one entry: S.No 1, Title Privacy Policy, Slug privacy, Status Enable (with a green 'Enable' button), and + Action (with edit and delete icons). At the bottom right of the table, it says 'Items per page: 10' and '1 - 1 of 1' with navigation arrows. The footer of the dashboard reads 'Copyright © 2018 Instasocial'.

S.No	Title	Slug	Status	+ Action
1	Privacy Policy	privacy	Enable	

**Figure 5.5.2**

The screenshot shows the 'Edit Pages' form in the Instasocial admin dashboard. The left sidebar is the same as in Figure 5.5.1. The main content area is titled 'Edit Pages' and contains the following fields: 'Title \*' with the value 'Privacy Policy', 'Slug \*' with the value 'privacy', 'Description' with a text area containing placeholder text, 'Meta Description \*' with the value 'Privacy Policy', and 'Meta Keyword \*' with the value 'Privacy Policy'. Below these fields is a 'Status' section with two radio buttons: 'Active' (selected) and 'In-active'. At the bottom right are 'Save' and 'Cancel' buttons. The footer of the dashboard reads 'Copyright © 2018 Instasocial'.



## 5.6. Reports :

- ❖ To report about the post, user can select the pre-defined type from mobile application.  
[Refer Fig 5.6.1]
- ❖ The report types are as follows..
  - Self-Harm
  - violence
  - Sexual Content
  - Child Safety
  - I don't like this

**Figure 5.6.1**

**Instasocial** Admin Bsetec

### Reports Listing

Filter By Username or Type

S.No	Profile Image	Username	Report Type	Reported At	+ Action
1		AnanthaselvamJP	Self-Harm	2018-08-21 11:15:50	<input type="button" value="Go To Post"/>
2		AnanthaselvamJP	I don't like this	2018-08-21 11:14:45	<input type="button" value="Go To Post"/>

Items per page: 10 1 - 2 of 2 < >

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## 5.7. General Settings :

Admin can update basic site info & logo. [Refer Fig 5.7.1]

- ❖ Application Name - Admin can add Application name
- ❖ Admin Email - Enter company purpose email for showing on website





- ❖ Application Logo - Upload Application logo to display on website.
- ❖ Favicon - Admin can upload favicon to display on website.
- ❖ Notification flush - Update hours to flush the old notifications for every given hours.
- ❖ Onesignal configuration - To setup onesignal key & ID

**Figure 5.7.1**

Instasocial

Admin Bsetec

Dashboard

User Management

Posts

Pages

Reports

Site Settings

Mail Settings

Logout

### Site Settings

Application Name  
Instasocial

Email  
instasocial@gmail.com

#### Frontend Logo

Note\*: Images must be in 16\*16 jpg, jpeg, png, ico format

Select File

#### Fav Icons

Note\*: Images must be in 16\*16 jpg, jpeg, png, ico format

Select File

#### One Signal ID

One Signal ID

#### One Signal Key

One Signal Key

#### Notification Flush

Notification Flush

Enter notification flush

SUBMIT

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## 5.8. Profile Settings :

- ❖ This settings allow admin can change their basic details like first name, last name, email, username, state, country & gender. [Refer Fig 5.8.1]
- ❖ They can change their current password using this option.



**Figure 5.8.1**

The screenshot shows the 'Profile Settings' page in the Instasocial Admin Dashboard. The dashboard has a dark header with the 'Instasocial' logo and a user profile 'Admin Bsetec'. A blue sidebar on the left contains navigation links: Dashboard, User Management, Posts, Pages, Reports, Site Settings, Mail Settings, and Logout. The main content area is divided into two sections. The 'Profile Settings' section includes input fields for First Name (admin), Last Name (bsetec), Email (admin@bsetec.com), Username (admin), and State (Tm). There are radio buttons for gender (Male, Female, Other) and a profile picture placeholder with a 'Select File' button. An 'UPDATE' button is at the bottom of this section. The 'Change Password' section below it has input fields for Current Password, New Password, and Confirm Password, followed by another 'UPDATE' button. The footer of the dashboard states 'Copyright © 2018 Instasocial'.

## 5.9. Mail Settings :

Here Admin can update basic site info & logo. [Refer Fig 5.9.1]

- ❖ Email settings come with SMTP & admin can manage the settings, by giving the proper details about the SMTP host, SMTP port, Secure, Username & Password.
- ❖ Admin can edit email template which are pre-defined.
  - **Registration** - This email template will send to users while registration
  - **Forgot Password** - This email template will be triggered while process for admin or user forgot password.



- **Post is ready** - This email template is used while users post video & it get processed from mobile application
- **Common Post** - This email template will be called while new post, comment, follow / following requests, likes
- **Report Abuse** template - This email template will be called while user report on any post.

**Figure 5.9.1**

The screenshot shows the 'Mail Settings' and 'Mail Template' configuration interface for Instasocial. The left sidebar contains navigation links: Dashboard, User Management, Posts, Pages, Reports, Site Settings, Mail Settings (selected), and Logout. The 'Mail Settings' section includes input fields for SMTP Host (smtp.gmail.com), SMTP Port (465), SMTP Secure (ssl), SMTP Username (deepabse2017@gmail.com), and SMTP Password (deepabse), with a 'SUBMIT' button. The 'Mail Template' section contains five text areas for different email templates: Register Mail Template, Forgot Password Template, Post is ready Template, Common Post Template, and Report Abuse Post Template. Each template area shows a preview of the HTML code, such as <!DOCTYPE html>, <html>, <head>, and </head>. The 'Post is ready Template' shows a preview with the text 'Your post is ready to display.' and a 'SUBMIT' button at the bottom right.

Instasocial

Admin Bsetec

Dashboard

User Management

Posts

Pages

Reports

Site Settings

Mail Settings

Logout

### Mail Settings

SMTP Host: smtp.gmail.com

SMTP Port: 465

SMTP Secure: ssl

SMTP Username: deepabse2017@gmail.com

SMTP Password: deepabse

SUBMIT

### Mail Template

Register Mail Template

```
<!DOCTYPE html>
<html>
<head>
</head>
```

Forgot Password Template

```
<!DOCTYPE html>
<html>
<head>
</head>
```

Post is ready Template

```
<h2>Hi {!! $username !!}</h2>

<p>
  Your post is ready to display.
```

Common Post Template

```
<!DOCTYPE html>
<html>
<head>
</head>
```

Report Abuse Post Template

```
<!DOCTYPE html>
<html>
<head>
</head>
```

SUBMIT

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