



# CoLab

Code and Functionality Overview

## Code Overview

The application utilises Laravel, a PHP web application framework which uses a model-view-controller paradigm. The files edited or created by our team are described below. All other files are default Laravel

### Style:

*/public/projects/css/*

These are Bootstrap files with slight adjustments as needed. Our application is based on the SB Admin 2 theme.

### Model:

*/app/models/*

These files are based on their database table counterpart and focus on reading and writing to the database using laravels built in functions.

### View:

*/app/views/*

The files contained here and in subfolders are the front-end of the website. These files contain HTML and minimal php. The *layout.blade.php* and *layout-user.blade.php* define the header and sidebar navigation for all pages, while the other pages contain the individual content.

The views also handles the data passed in via the controllers to format and display the information from the database. Blade templating allows php to be contained in double curly braces `{{ $variable }}` or after `@` symbols for statements (`@foreach`, `@endforeach`, `@if`, `@endif` etc).

### Controller:

*/app/controllers/*

The controllers are responsible for validating and handling the user input and passing data between the models and the views.

### Routes:

*/app/routes.php*

This configuration file links the model, views and controllers together by directing pages and forms to functions via laravel, instead of posting to another page.

# Functionality Overview

## Home Pages

### Index

Fully implemented except for the Contact Us form

### Features

Fully implemented except for the Contact Us form

### About

Fully implemented except for the Contact Us form

### Sign Up

User can sign up with our own system. Sign up via social media is not implemented. Contact us form not implemented.

### Login

Users can login with our own system. Login via social media is not implemented. Contact us form not implemented.

## User Pages

### Dashboard

Fully implemented. Has sample widgets for each project.

### Messages

Fully implemented.

### Profile

Fully implemented

### Notifications

Fully implemented. Has sample notifications for assigning tasks, completing achievements, creating meetings and acknowledging.

### Task Dropdown

Fully implemented

### Settings

Fully implemented

## **Project Pages**

### **Dashboard**

Fully implemented. Has sample posts for completing tasks, completing achievements, stress levels and adding users to the group.

### **Group Members**

Fully implemented

### **Team Rules**

Fully implemented

### **Tasks and Milestones**

Fully implemented

### **Stress**

Fully implemented

### **Files**

Fully implemented

### **Meetings**

Fully implemented

### **Personal Achievements**

Fully implemented. Has two sample achievements that could be expanded upon

### **Team Achievements**

Fully implemented. Has two sample achievements that could be expanded upon

### **Group Settings**

Fully implemented.