Documentation

Blood Cell

.

Next1 Team

Hi-Tech Laravel Batch – 02

Contributor

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Introduction

Welcome to Blood Cell, a web application for blood seekers and donors. It is a responsive web application that is based on the PHP framework Laravel. It's is a free, open-source PHP web framework, created by Taylor Otwell and intended for the development of web applications following the model–view–controller architectural pattern and based on Symfony. If you are unfamiliar with Laravel, visit their website and read through the documentation.

Before you start working with the application, we suggest you to go through the model, controller and migration files which can be really helpful when you need to change something.

Built with jQuery. jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax.

About Blood Cell

Blood Cell is a fully responsive and customizable web application suitable for admin and users. Blood Cell contain almost all components required for this purpose.

Blood Cell is based on laravel, the world's most popular php framework.
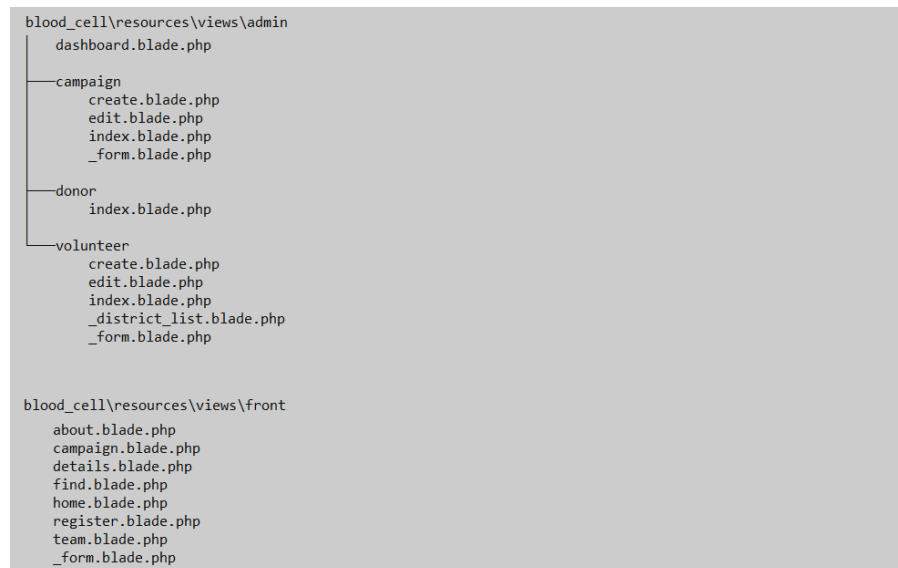
Blood Cell is built with Bootstrap. Bootstrap compiler makes it easier to code and customize. Bootstrap is the most mature, stable, responsive, and powerful professional grade CSS library in the world.

Built with jQuery. jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax

Getting started

You can directly use the application through root URL when site is live. But if you want to use the application in your local machine, you need to install php and mySql. Or you can install a complete package like Xampp.

The application will have the following views.

```
blood_cell\resources\views\admin
    dashboard.blade.php

    ─campaign
        create.blade.php
        edit.blade.php
        index.blade.php
        _form.blade.php

    ─donor
        index.blade.php

    ─volunteer
        create.blade.php
        edit.blade.php
        index.blade.php
        _district_list.blade.php
        _form.blade.php


blood_cell\resources\views\front
    about.blade.php
    campaign.blade.php
    details.blade.php
    find.blade.php
    home.blade.php
    register.blade.php
    team.blade.php
    _form.blade.php
```

You can open the blood cell url in a browser and you are ready to go.

Directory Structure

App

The app directory contains the core code of application. Almost all of the classes in application will be in this directory.

Bootstrap

The bootstrap directory contains the app.php file which bootstraps the framework. This directory also houses a cache directory which contains framework generated files for performance optimization such as the route and services cache files.

Config

The config directory, as the name implies, contains all of application's configuration files. It's a great idea to read through all of these files and familiarize with all of the options available.

Database

The database directory contains database migrations, model factories, and seeds.

Public

The public directory contains the index.php file, which is the entry point for all requests entering application and configures autoloading. This directory also houses of assets such as images, JavaScript, and CSS.

Resources

The resources directory contains views as well as raw, un-compiled assets such as LESS, SASS, or JavaScript. This directory also houses all of language files.

Routes

The routes directory contains all of the route definitions for application. By default, several route files are included with Laravel: web.php, api.php, console.php and channels.php.

The web.php file contains routes that the RouteServiceProvider places in the webmiddleware group, which provides session state, CSRF protection, and cookie encryption

The api.php file contains routes that the RouteServiceProvider places in the apimiddleware group, which provides rate limiting. These routes are intended to be stateless, so requests entering the application through these routes are intended to be authenticated via tokens and will not have access to session state.

The console.php file is where you may define all of your Closure based console commands. Each Closure is bound to a command instance allowing a simple approach to interacting with each command's IO methods. Even though this file does not define HTTP routes, it defines console based entry points (routes) into your application.

The channels.php file is where you may register all of the event broadcasting channels that your application supports.

Storage

The storage directory contains compiled Blade templates, file based sessions, file caches, and other files generated by the framework. This directory is segregated into app, framework, and logs directories. The app directory may be used to store any files generated by application. The framework directory is used to store framework generated files and caches. Finally, the logs directory contains application's log files.

The storage/app/public directory may be used to store user-generated files, such as profile avatars, that should be publicly accessible.

Tests

The tests directory contains automated tests. An example PHPUnit test is provided out of the box. Each test class should be suffixed with the word Test.
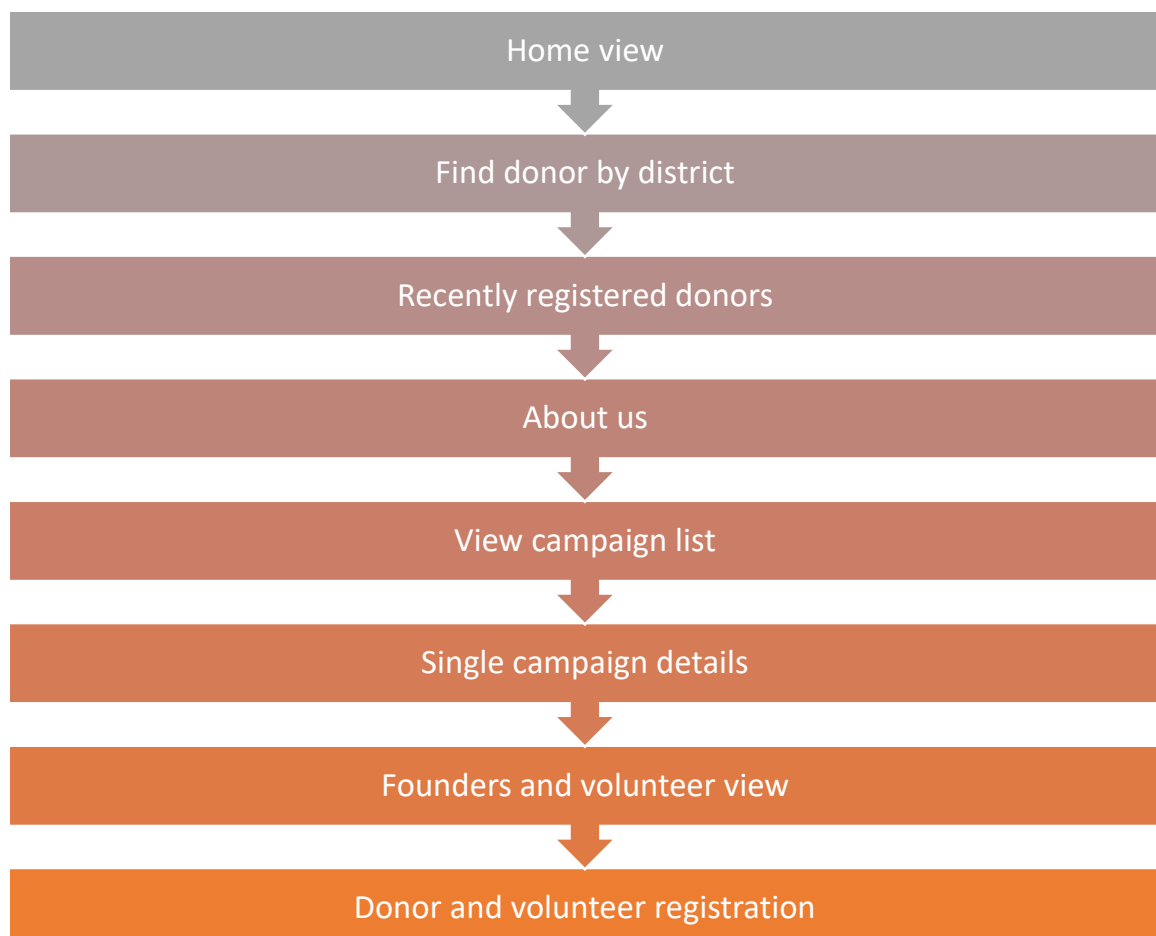
Vendor

The vendor directory contains Composer dependencies.

Key Features

Admin Panel

Campaign	Volunteer	Donor
• View list	• View list	• View list
• Search	• Search	• Search
• Add new	• Add new	• Add new
• Update	• Update	
• Delete	• Delete	
	• Approve	

User End

Home view

↓

Find donor by district

↓

Recently registered donors

↓

About us

↓

View campaign list

↓

Single campaign details

↓

Founders and volunteer view

↓

Donor and volunteer registration

Admin-end

- Campaign

Campaign list, Campaign search, Create campaign, Edit campaign, Delete campaign

- Volunteer

Volunteer list, Volunteer search, create volunteer, Edit volunteer, Delete volunteer, Approve
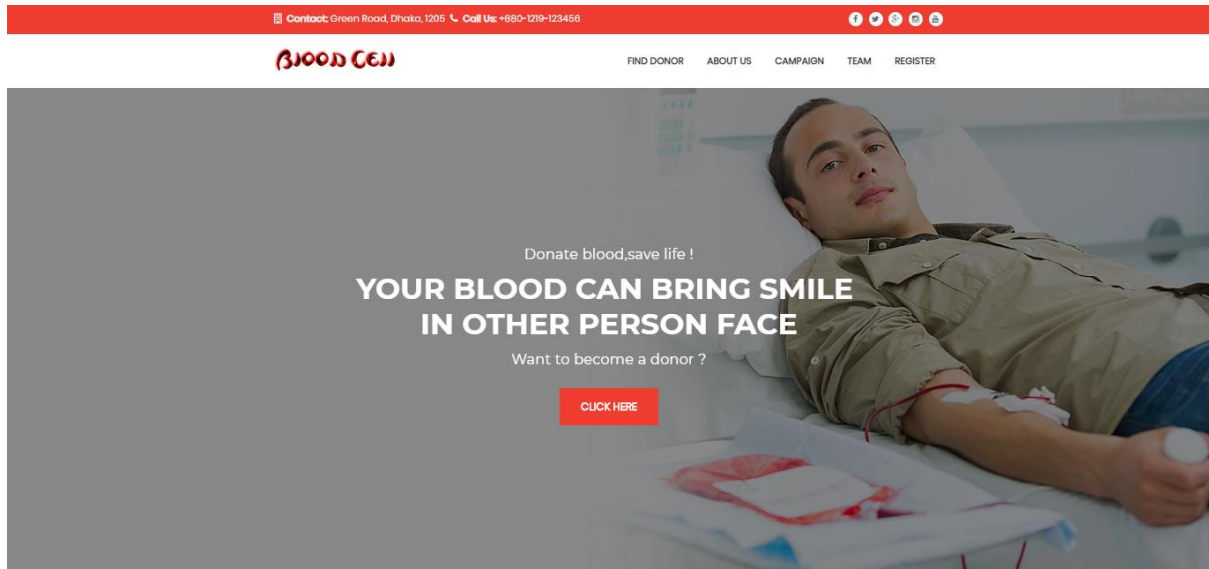
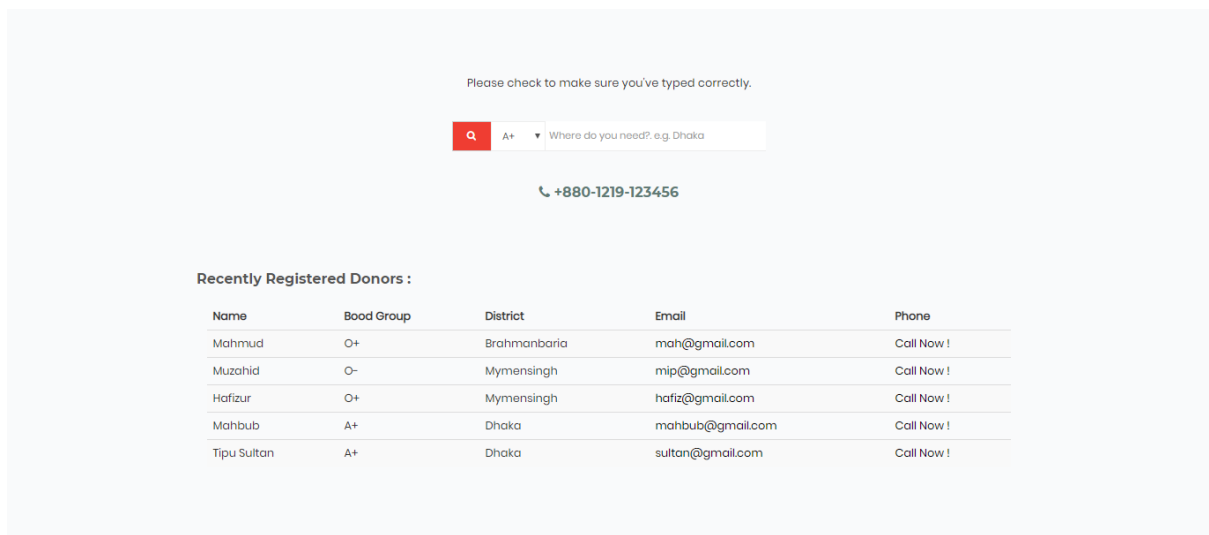- Donor

Donor list, Create donor, Donor search

Front-end

- Home view

- Find donor by district, Recently registered donors

- View campaign list with read more

CAMPAIGN LIST

HOME / CAMPAIGNS

CAMPAIGNS

Encourage new donors to join and continue to give blood. We have total sixty thousands donor centers and visit thousands of other venues on various occasions.

Independence Day

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Blood Grouping

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classi...

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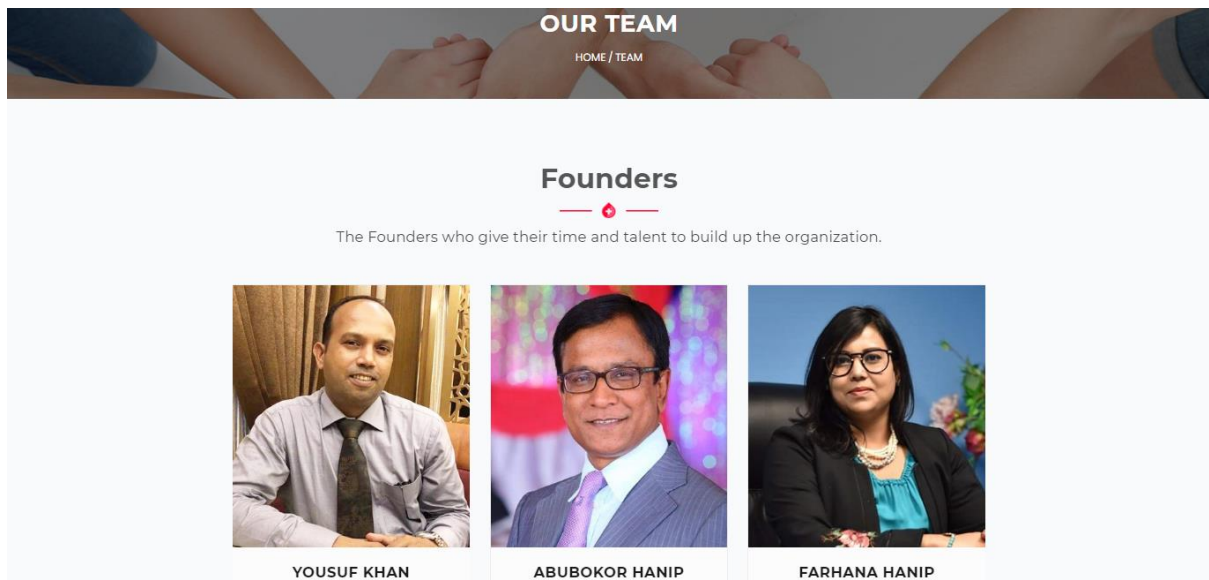
- About us

ABOUT US

HOME / ABOUT US

Who We Are?

Blood Buddies is for public donation center with blood donation members in the changing health care system.

- o Specialist blood donors and clinical supervision.
- o Increasing communication with our members.
- o High quality assessment, diagnosis and treatment.
- o Examine critically to ensure alignment.
- o The extra care of a multi-disciplinary team.

- Founders and volunteer view

- Donor, Volunteer registration

Database Structure

1. Campaign
   a. Title
   b. Description
   c. Date
   d. Venue
   e. Organizer (optional)
   f. Image

2. Volunteer
   a. Name
   b. Email
   c. Phone
   d. Gender
   e. Street Address
   f. District (select option)
   g. Status [Active, Inactive] (default inactive)
   h. Blood Group (select option)
   i. Image

3. Donor
   a. Name
   b. Email
   c. Phone
   d. Gender
   e. District (select option)
   f. Blood Group (select option)