Project: **Contact Form**

When a user can't find their answer on our FAQ pages, they should be able to send us their question.
Therefore we need to create a webpage with a form where a user can ask a question.
The question should be emailed to our customer support and saved in a database.

Task

- Create a webpage with a form
- Submit the form to a php script
- Send the form data by email using the API of an external mail service (like: www.mailgun.com)
- Extra/Bonus: Save the record on an Airtable (https://airtable.com , create your own account)
- Extra/Bonus: Create a MySQL database and save the input data there

Bonus

- Pretty design
- Input validation (frontend and server side)
- Security
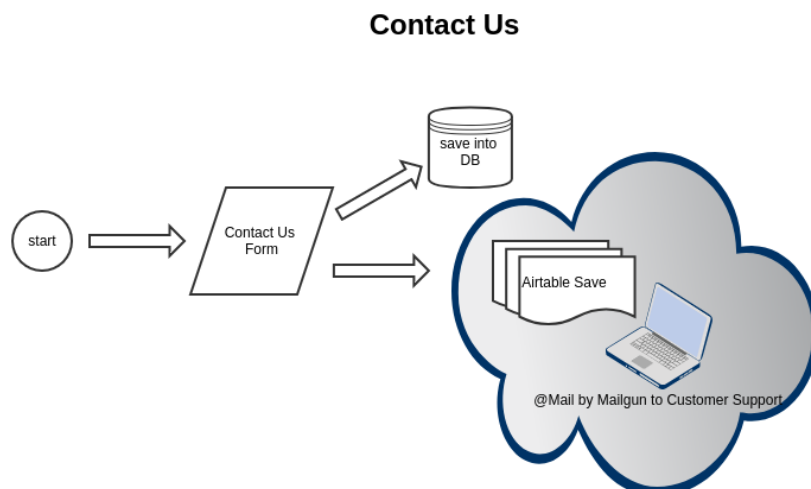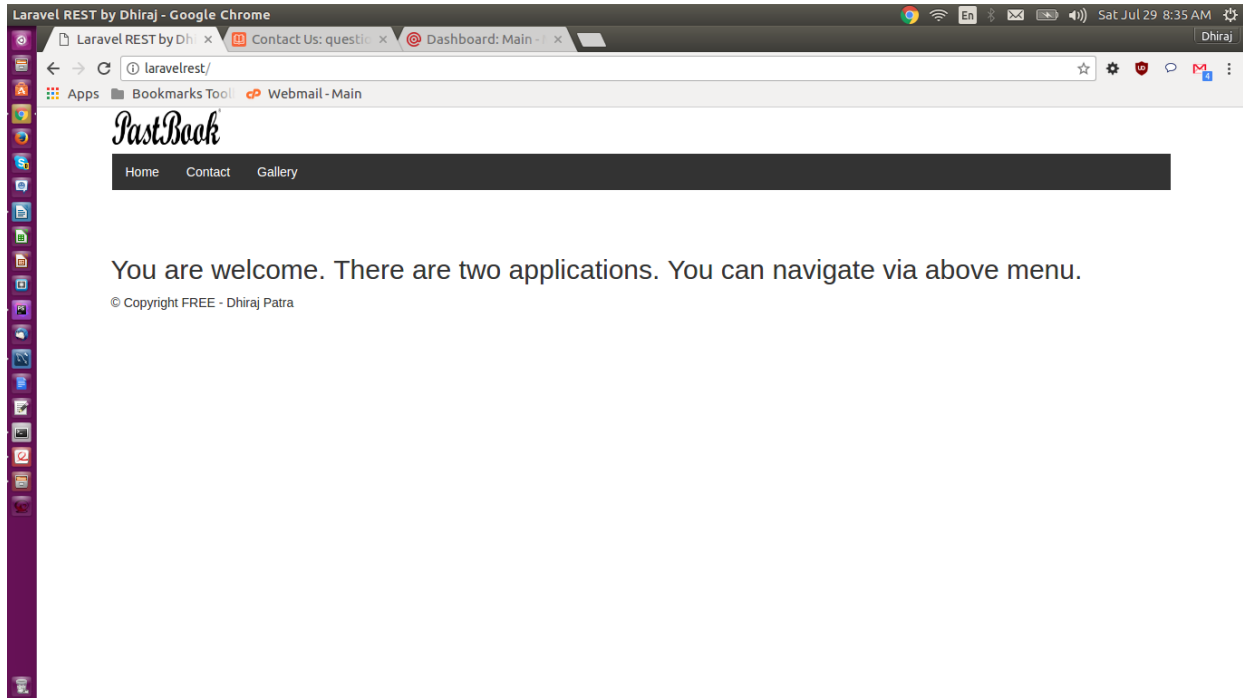- Unit testing
- Whatever you think would add value

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Solution:

Technology Used

Laravel 5.4, PHP 7.1, Mysql 5.6, phpunit, oauth2 [installed not used due to I dont have domain].
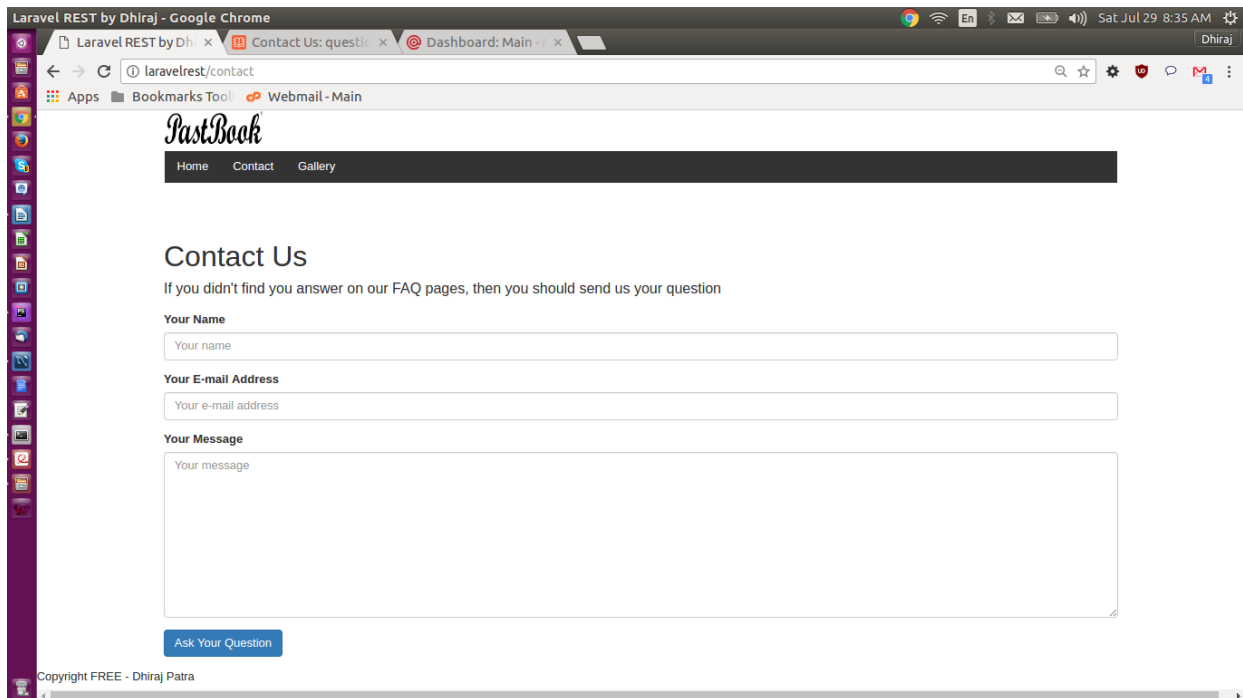
DFD

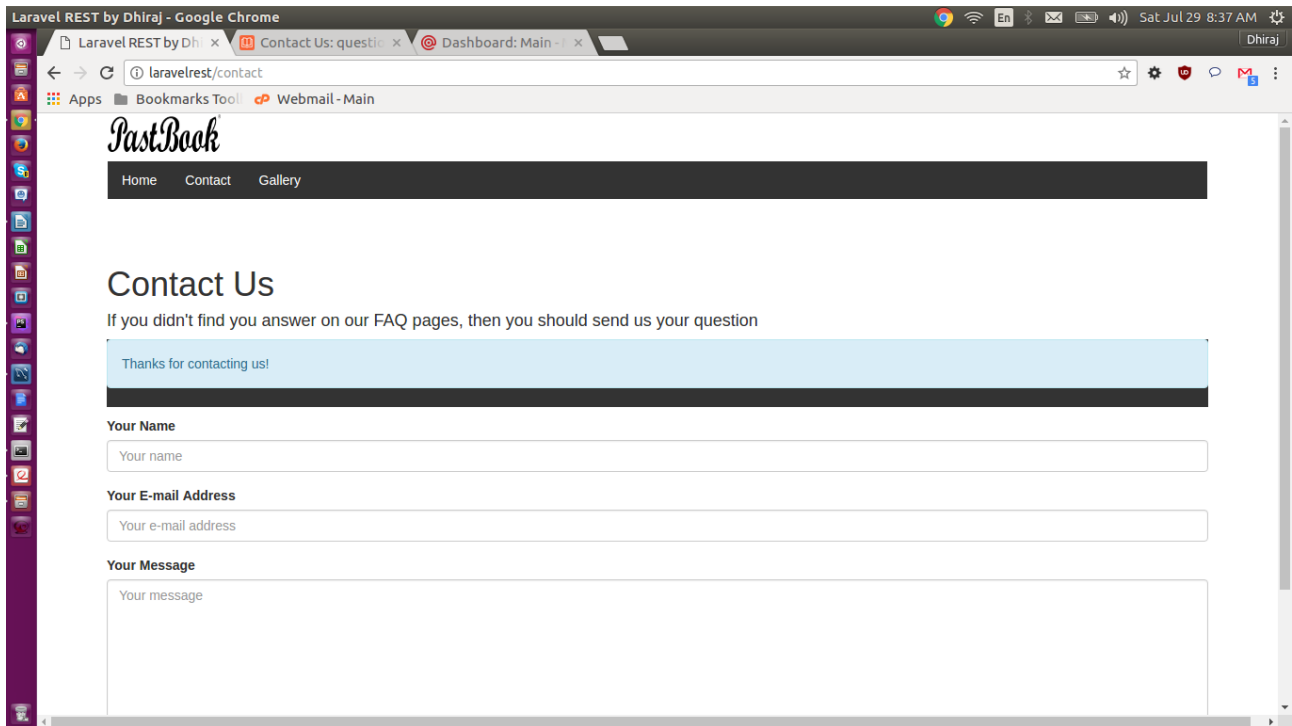**Contact Us**

Pages

- **Home**

It has menu for both Contact Us and Gallery application.

- **Contact Us**

This is contact us page to give customer details to send mail by mailgun to customer support, save into DB, save into Airtable.

After filling form [highly secure with csrf check and validation are there] it showing message "Thanks for contacting us".

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Project: **Photo Gallery**

We want to let a user see a gallery of his/her pictures from a cloud service where they are stored. As cloud service you can use any of these: Facebook, Instagram, Flickr, Dropbox, Google Photos

Task

- Let user login on the cloud service
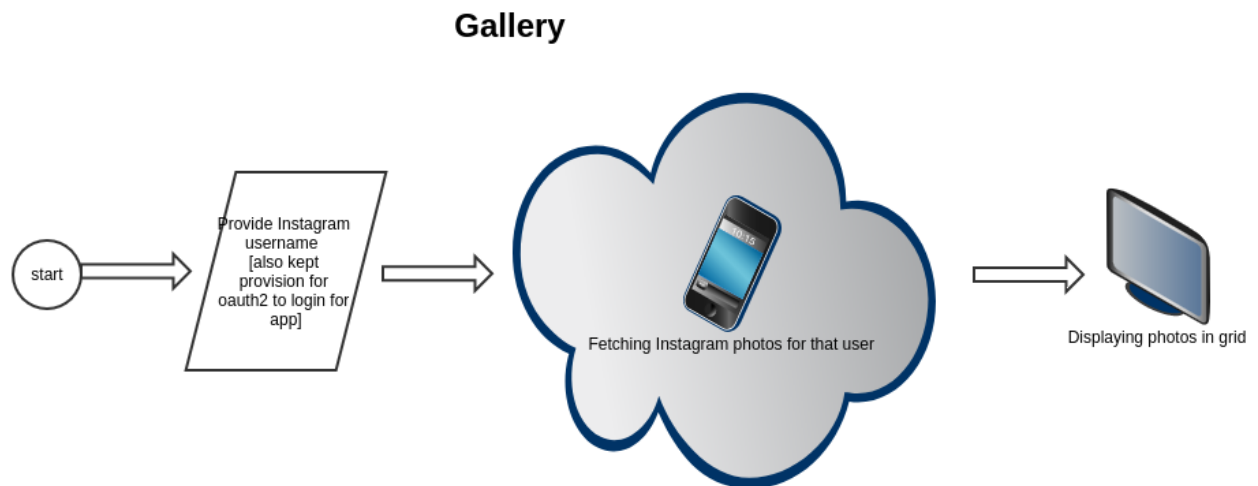- Retrieve some photos via API
- Show them in a grid

Bonus

- Pretty design
- Security
- Pagination (in case of a lot of photos)
- Whatever you think would add value
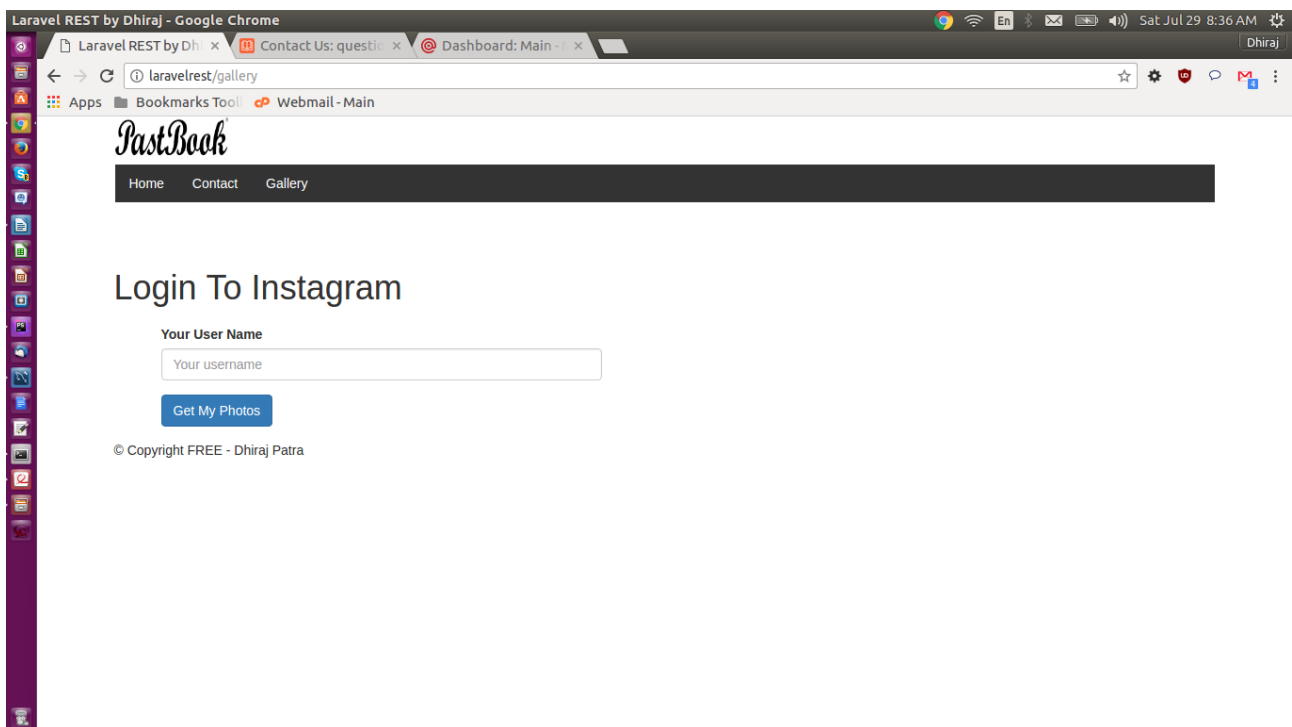
Solution:

Technology Used

Laravel 5.4, PHP 7.1, Mysql 5.6, phpunit, oauth2 [installed not used due to I dont have domain].
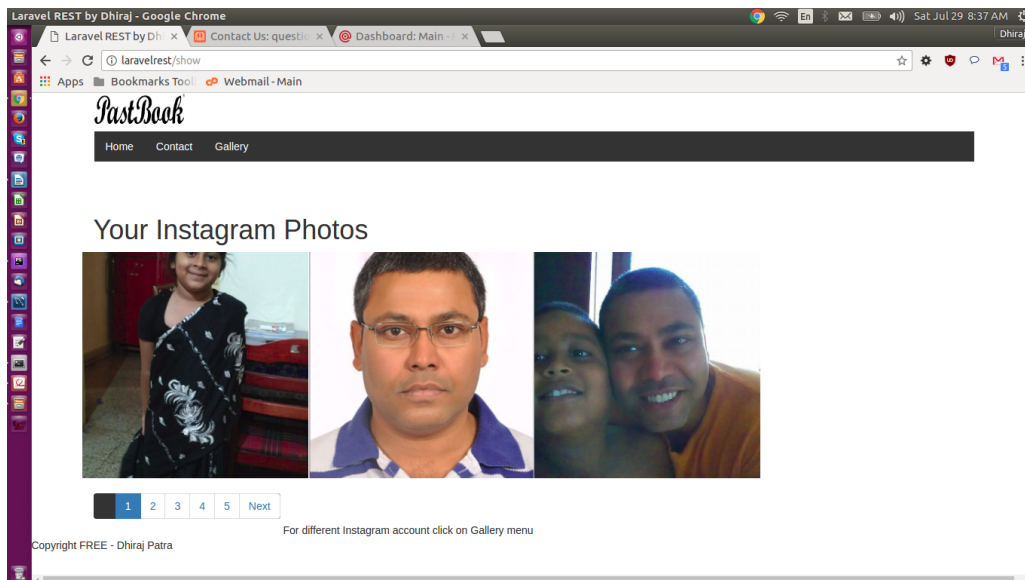
DFD

Pages

- **Gallery**

This page actually a login page to oauth2 [which I have kept ready with all necessary libraries into application but since I do not have any domain and short time I couldn't implemented for login with social netowrking or other site.]

Now need to enter only Instagram username to fetch photos.

After fetching photos [only once and keeping in session with memcached/redis for a specific account search] in a grid with pagination.
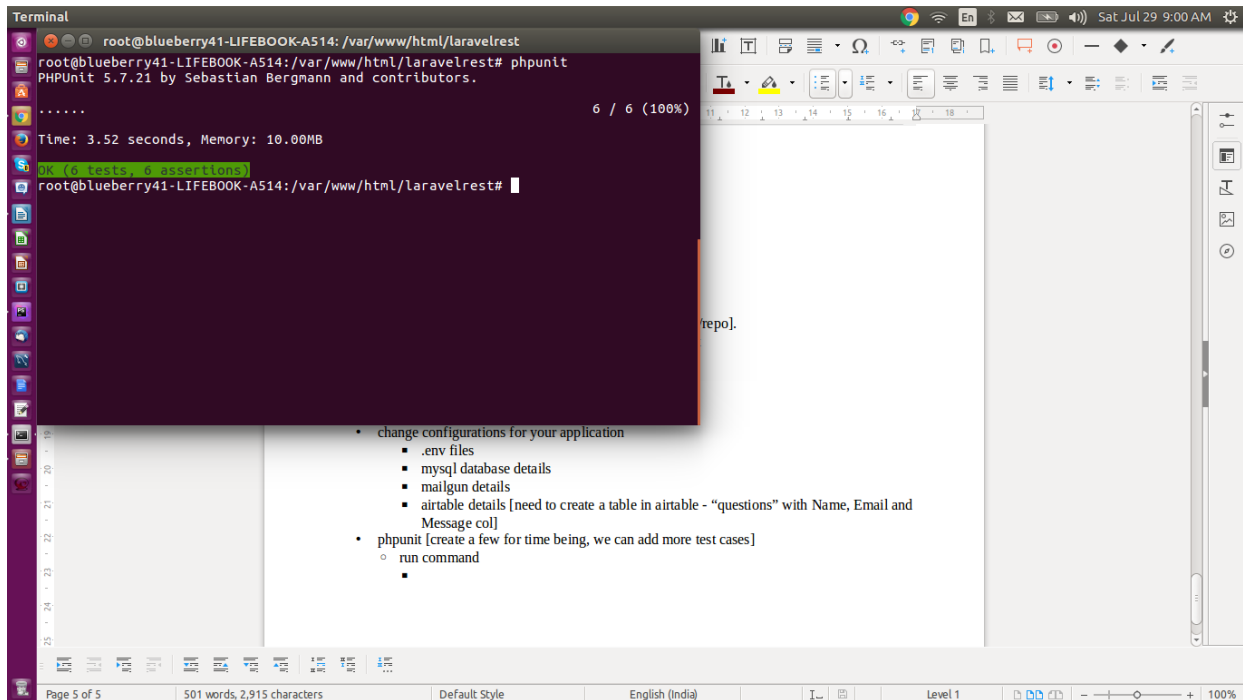

For both projects

Document Folder

/documents/

How to install

- Extract the zip [incase you are not cloning from Github/repo].
- Keep the folder with full permission into your localhost
- Create a virtual host to name **laravelrest** for it
- Create a database name "laravelrest"
- run command
  - composer install
  - php artisan migrate
- give folders permissions
- change configurations for your application
  - .env files
  - mysql database details
  - mailgun details

- airtable details [need to create a table in airtable - "questions" with Name, Email and Message col]
- phpunit [create a few for time being, we can add more test cases here - /tests/unit/]

  - run command
    - alise phpunit="vendor/bin/phpunit"
    - phpunit

How to run

- go to browser and type your virtual host eg. http://laravelrest/
- Follow menu

Any question or issue kindly contact me at dhiraj.patra@gmail.com or skype: dhirajpatra
Ph. +91 7893273022