**A picture containing graphical user interface

Description automatically generated**

**Thapathali, Kathmandu, Nepal**

**AWE**

**Advance Website Engineering**

**(Documentation of Class Progression)**

|  |  |
| --- | --- |
| Prepared By:  Amit Kumar Karn  c7202634 | Module Tutor:  Mr. Pratik Shrestha |

**Initiation Date:**

**18thOctober, 2020**

Class Details

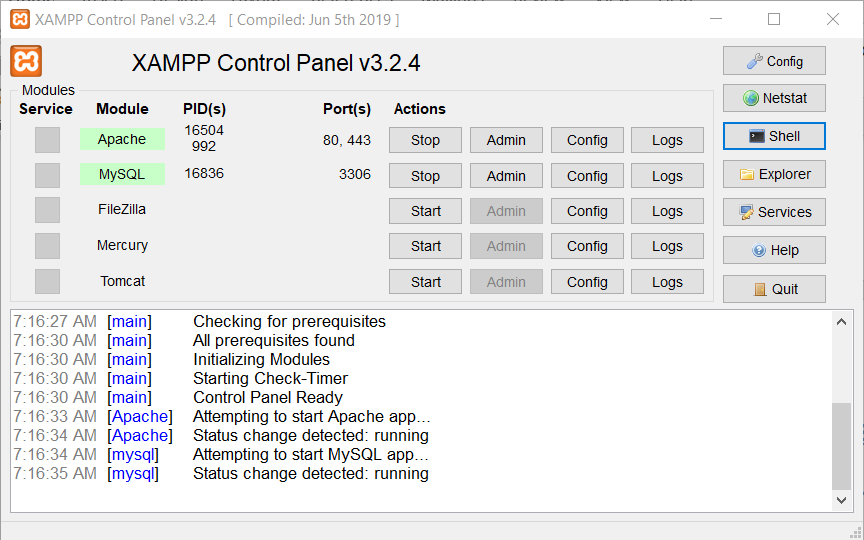
|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Date** | **Topics Covered** | **Details** |
| 1. | Sunday,  12th October, 2020 | Module Introduction and Breakdown | Introduction to the module, guidelines for the learning materials and assessment details. |
| 2. | Monday,  13th October, 2020 | Local Environment Setup | Introduction to setup IDEs such as Eclipse Che, Php Storm, etc. Instructions to update php version to 7.4, integration of xdebug with ides, and introduction to git repositories. |
| 3. | Sunday,  18th October, 2020 | Git and GitHub Tutorial | Walkdown through Git and GitHub basic architecture. Tutorial to initiate local repositories and commit and push them to the remote repositories. Also, looked at the concepts of branches in git. |
| 4. | Monday,  19th October, 2020 | PHP Basics with OOPs Concepts | Interactive class about the PHP basics and key concepts. Also went through the OOP concepts along with some examples. |
| 5. | Sunday, 1st November, 2020 | Understanding Web Applications | Basic concepts of the web application, how they work and http protocols. Also, revisited the OSI model and lastly installed composer for Laravel installation. |
| 6. | Monday, 2nd November, 2020 | Routing and Views | Installed Laravel installer, created Laravel project and learnt the concepts of routing and MVC within the framework. |
| 7. | Sunday, 8th November, 2020 | View Templates and Blades with Laracasts | Learnt about the views from the MVC framework of Laravel. Stored in the resources/views directory and uses the blade.php file extension. Blade is a powerful templating engine provided with Laravel. Also watched a couple of videos from laracasts’ website. |
| 8. | Monday, 9th November, 2020 | Controllers | Downloaded and discussed component-1 assignment from GitHub. Learnt what a controller is and how it works in the MVC framework of Laravel. |
| 9. | Monday, 22nd November, 2020 | Database and Migrations | Installed node, to install and run Vue for UI components, quick login, and registration by using auth middleware. Learn what migrations file and its up and down functions are and how to create and use them through both manually and by command line. |
| 10. | Monday, 23rd November, 2020 | Models | Learnt models are a class representing logical structure and relationship of underlying data table. Each database table has its own underlying model that allows us to interact with that table in a more dynamic and easy way. Also learnt to make and modify models via terminal or manually. |
| 11. | Monday 29th November, 2020 | Form Processing | Learnt the standard conventions for defining routing. Faking put/patch in Laravel as browsers only understand get, post or head method. (by using @method(‘PUT’) inside a form. Learnt about Cross-Site Request Forgery(CSRF) and how to prevent them by putting CSRF inside a form. |
| 12. | Monday 30th November, 2020 | Forms Continue and Component-2 discission | Discussed how to set up the Laravel project inside local repository for component 2 and the requirements that needs to be completed. |

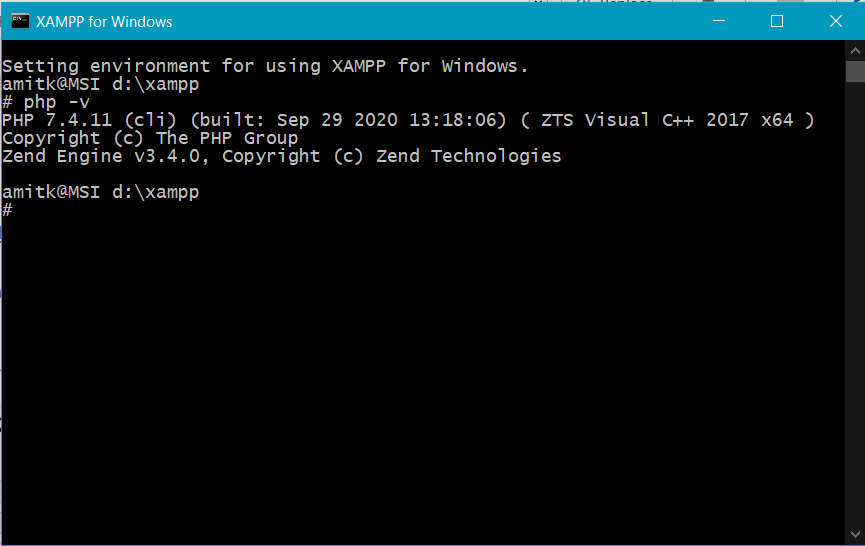
Appendix (Screenshots)

Day 1: module introduction and breakdown

Day 2: local environment setup

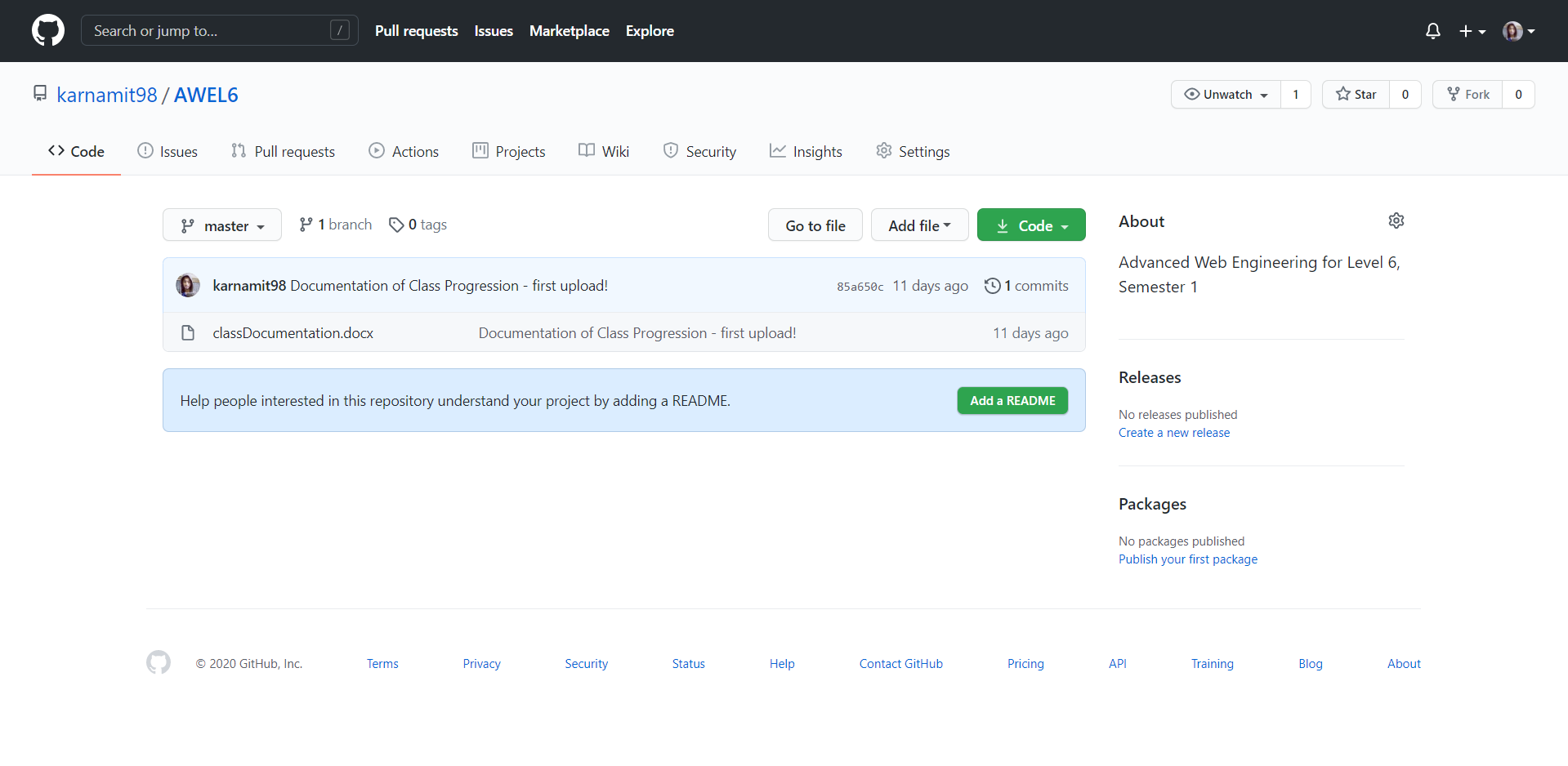
* Xampp with PHP version 7.4.11



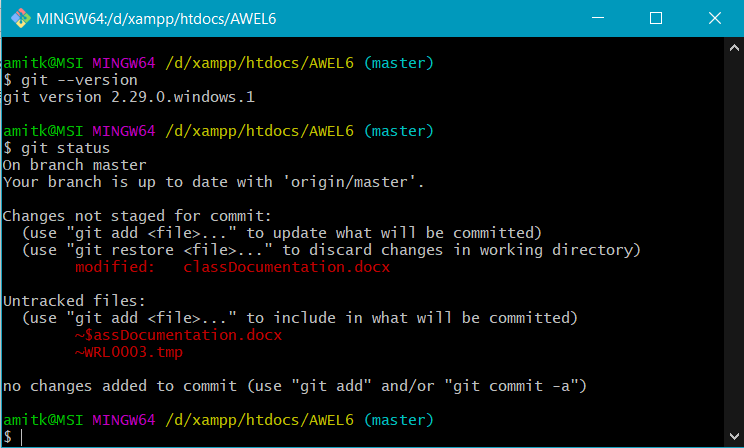


Day 3: git and github tutorial

* Remote Repository on GitHub



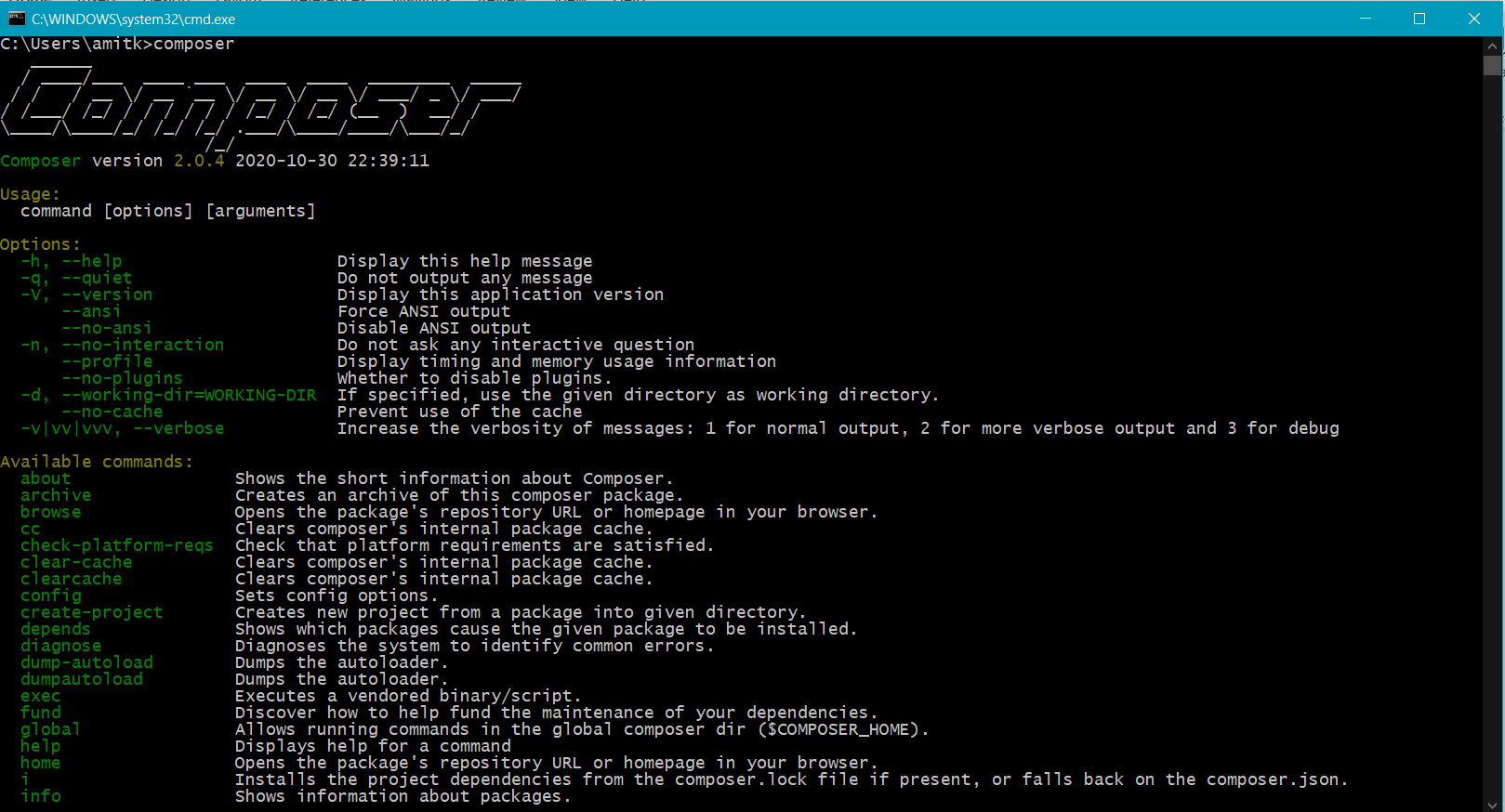
* Git Bash Terminal on Local Repository



Day 4: php basics and oops concepts

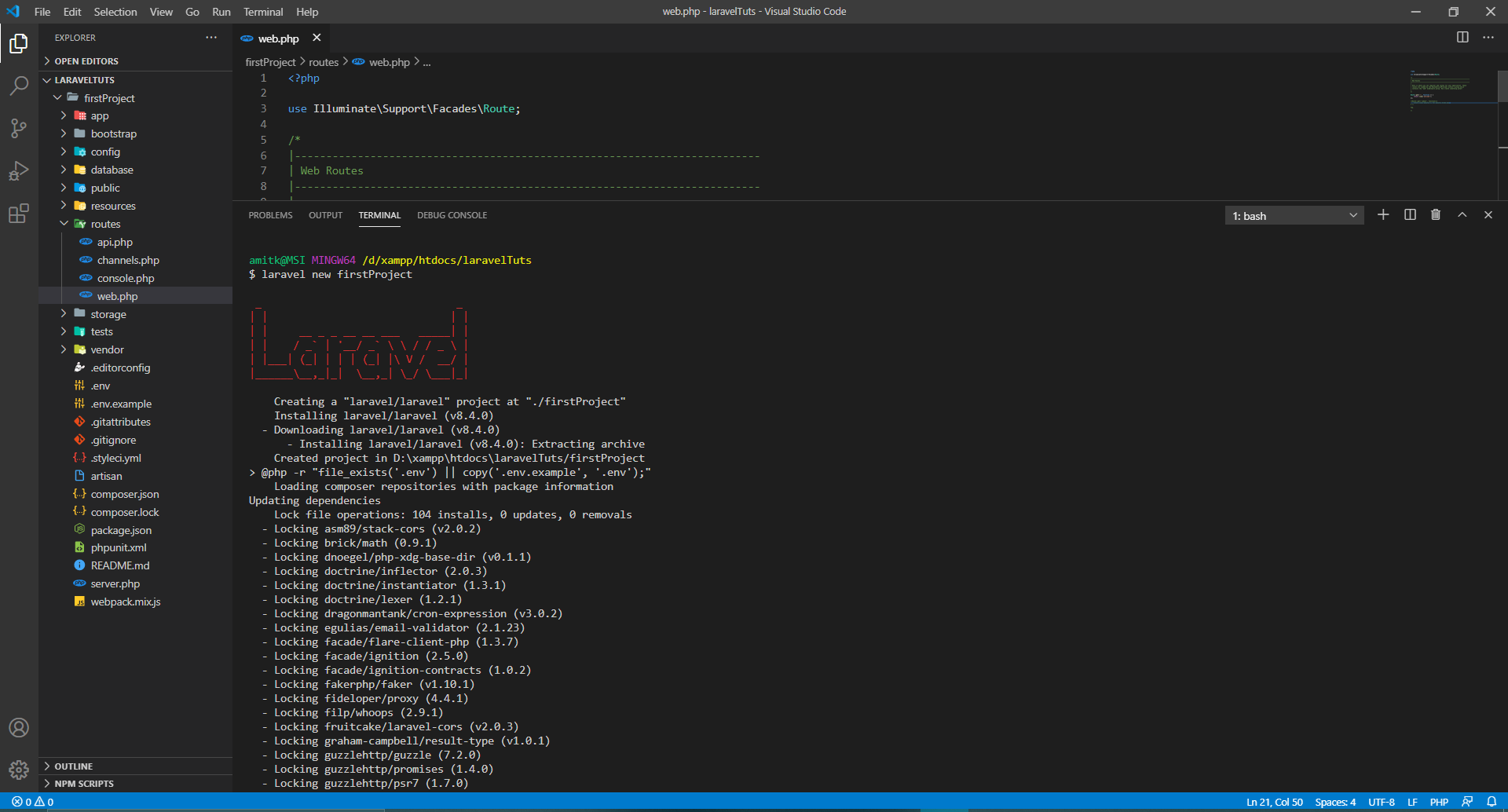
Day 5: understanding web applications

* Composer Installation



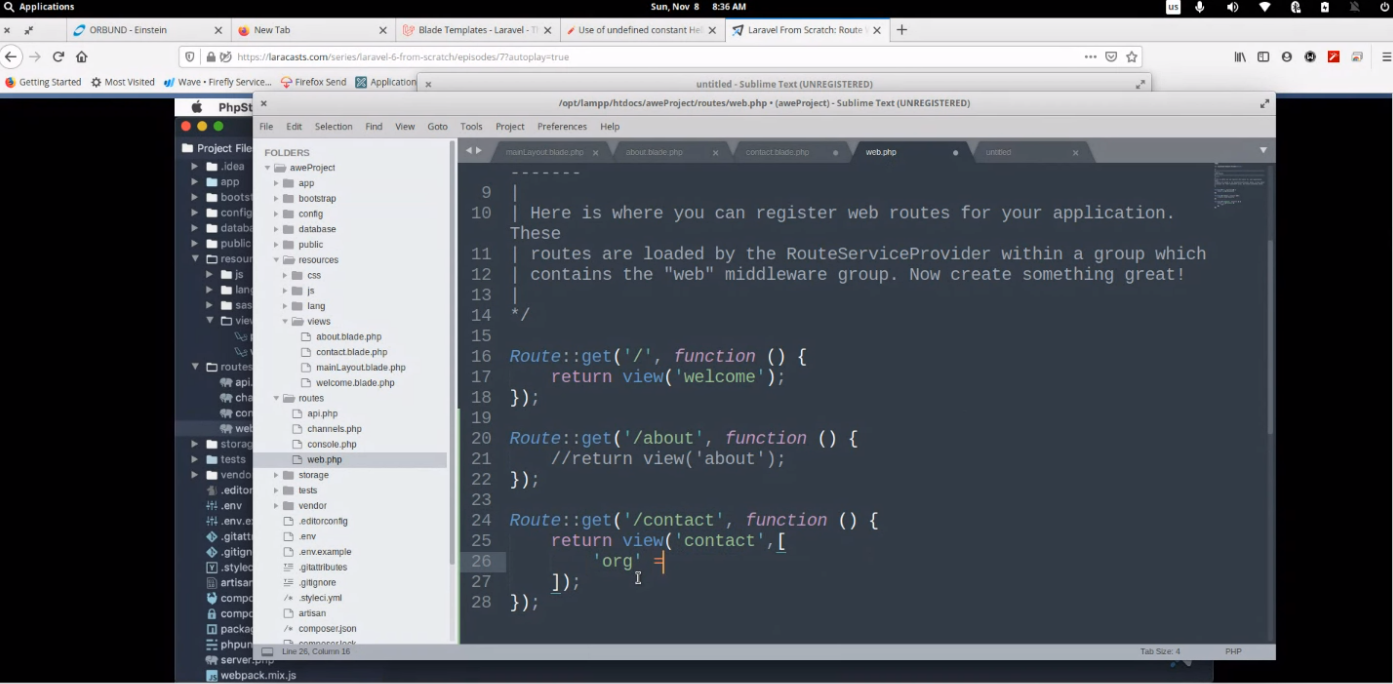
Day 6: routing and views

* Laravel Installation (local) via VSCode’s bash terminal



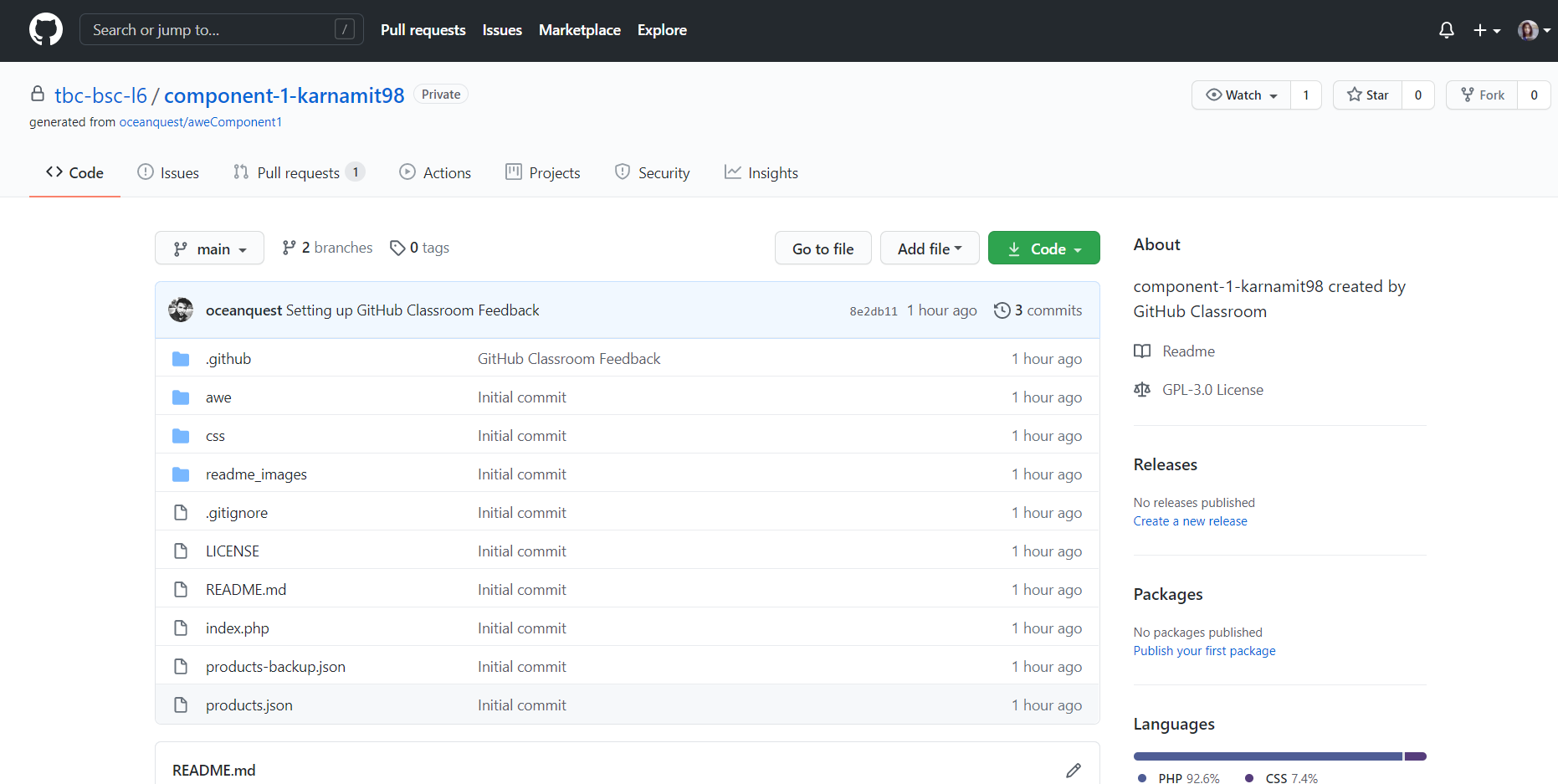
Day 6: view templates and blades with Laracasts

* Watched/Discussed a video on views at laracasts’ website.



Day 7: controllers

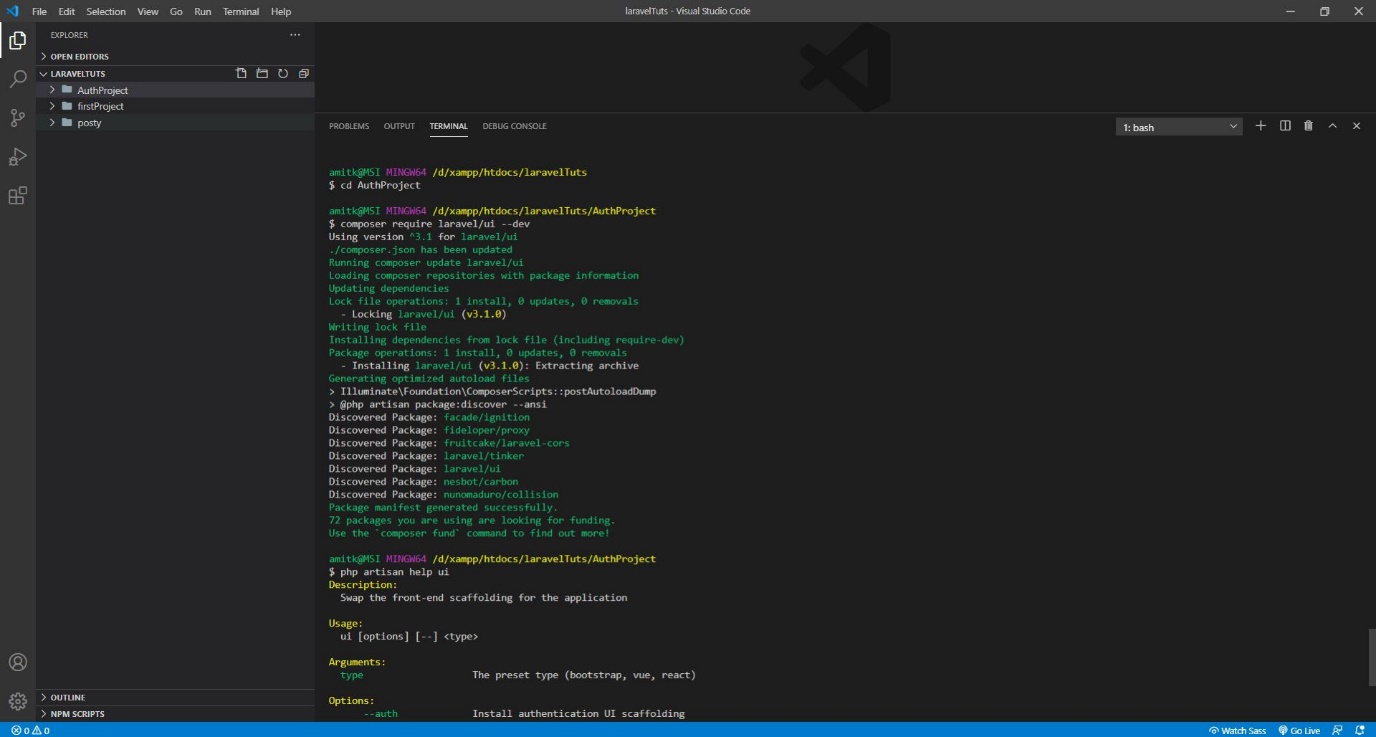
* Got access to the component-1 repository on GitHub and cloned it locally

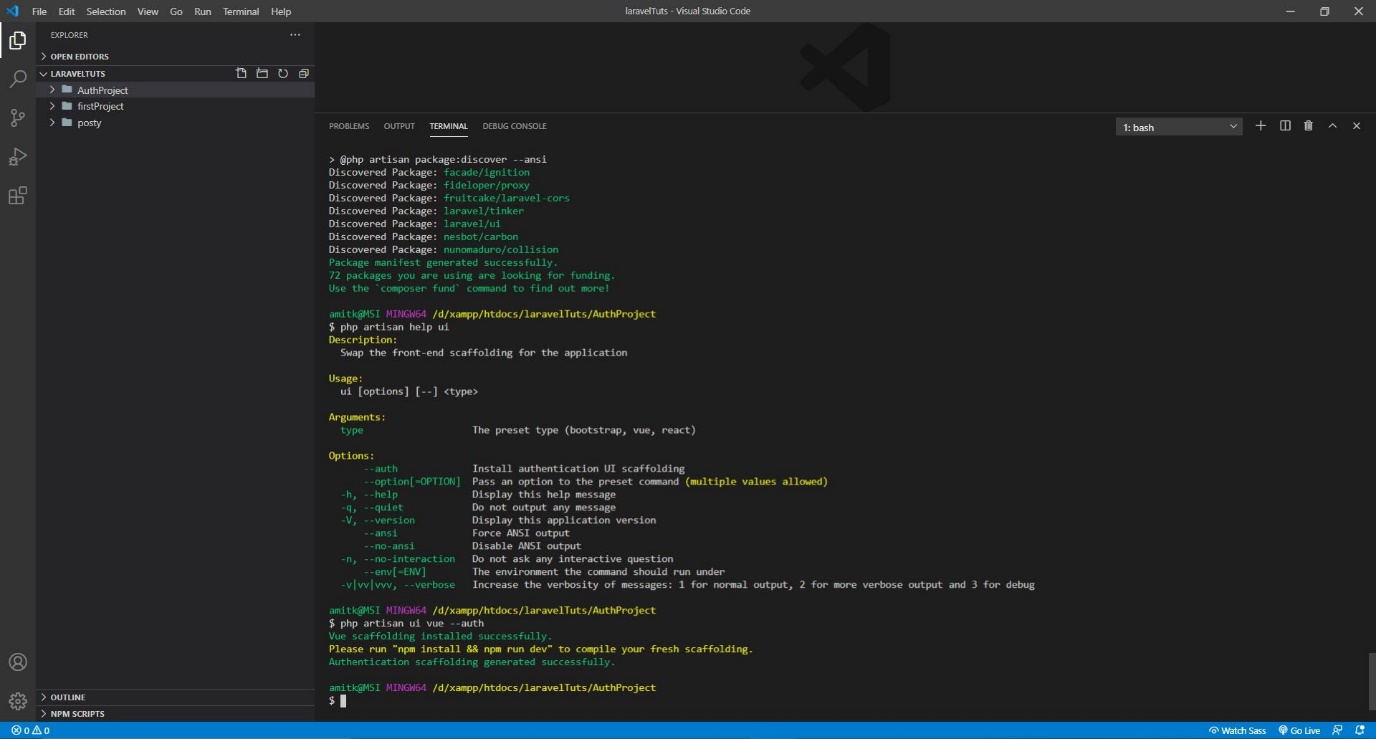


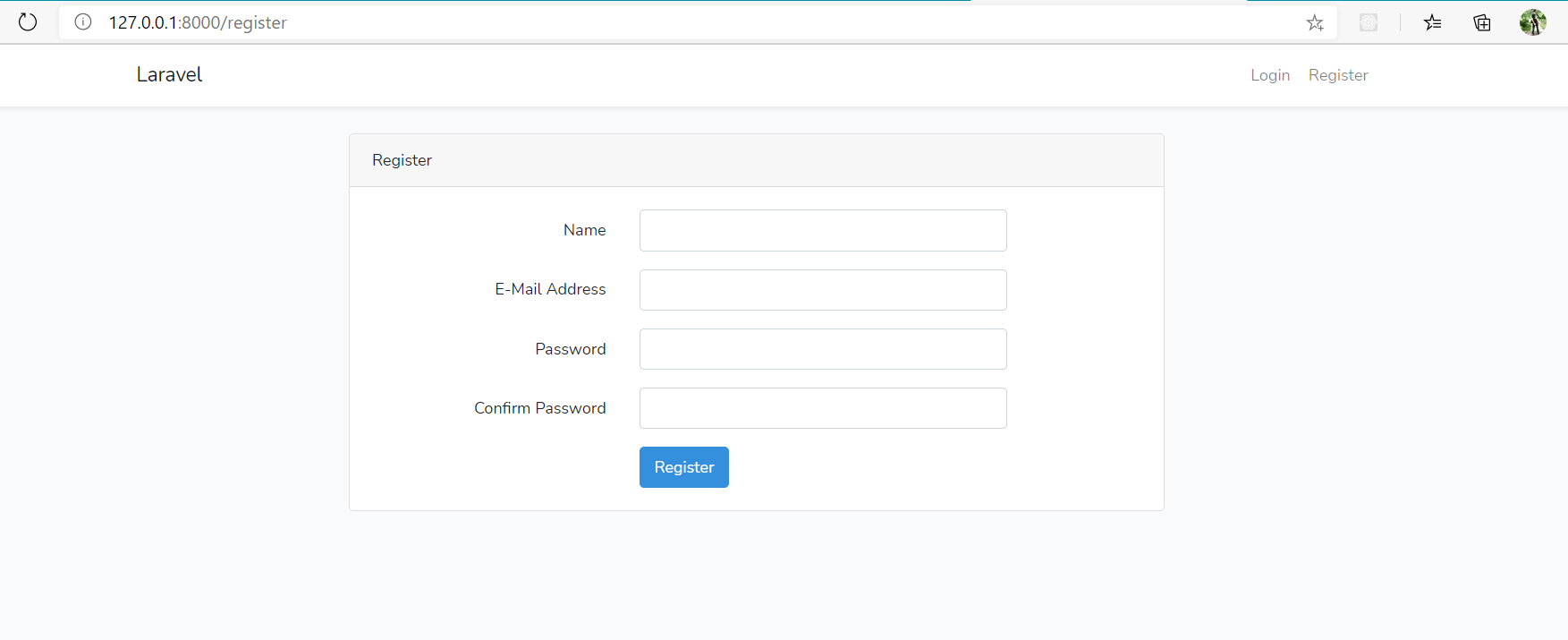
Day 8: controllers

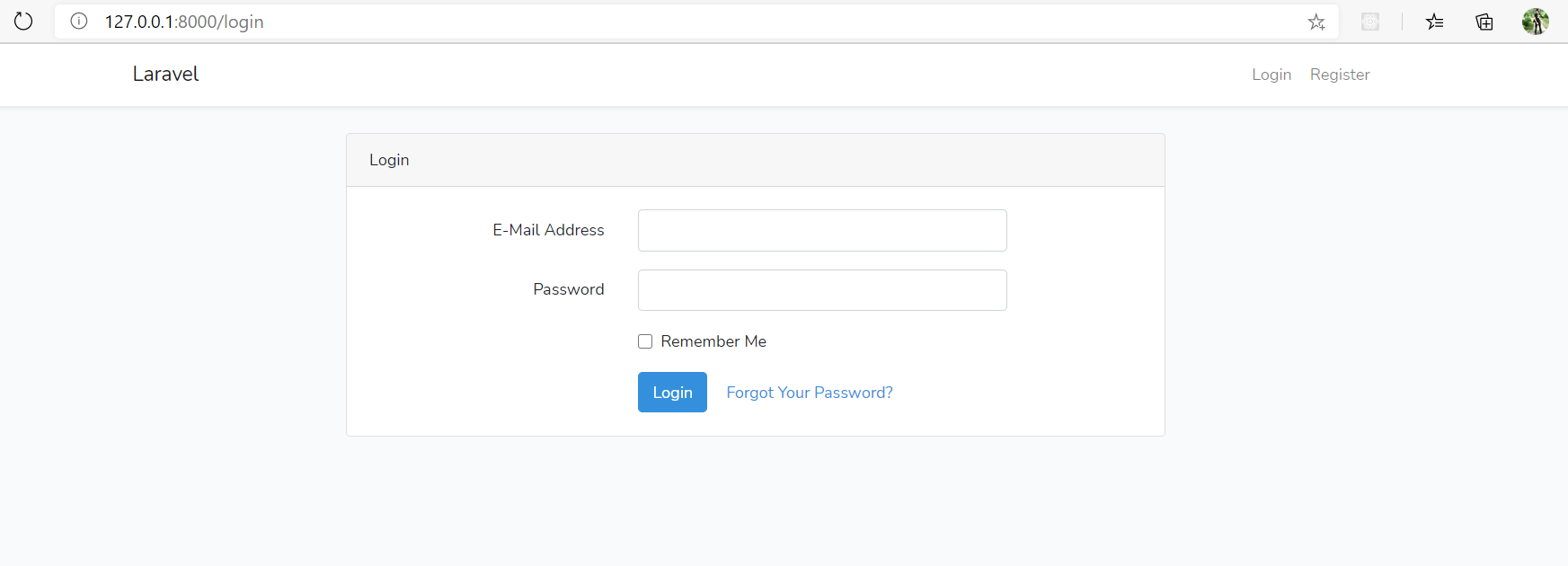
Day 9: database and migrations

* Added UI dependencies using composer and later added login, registration and authorization components using vue



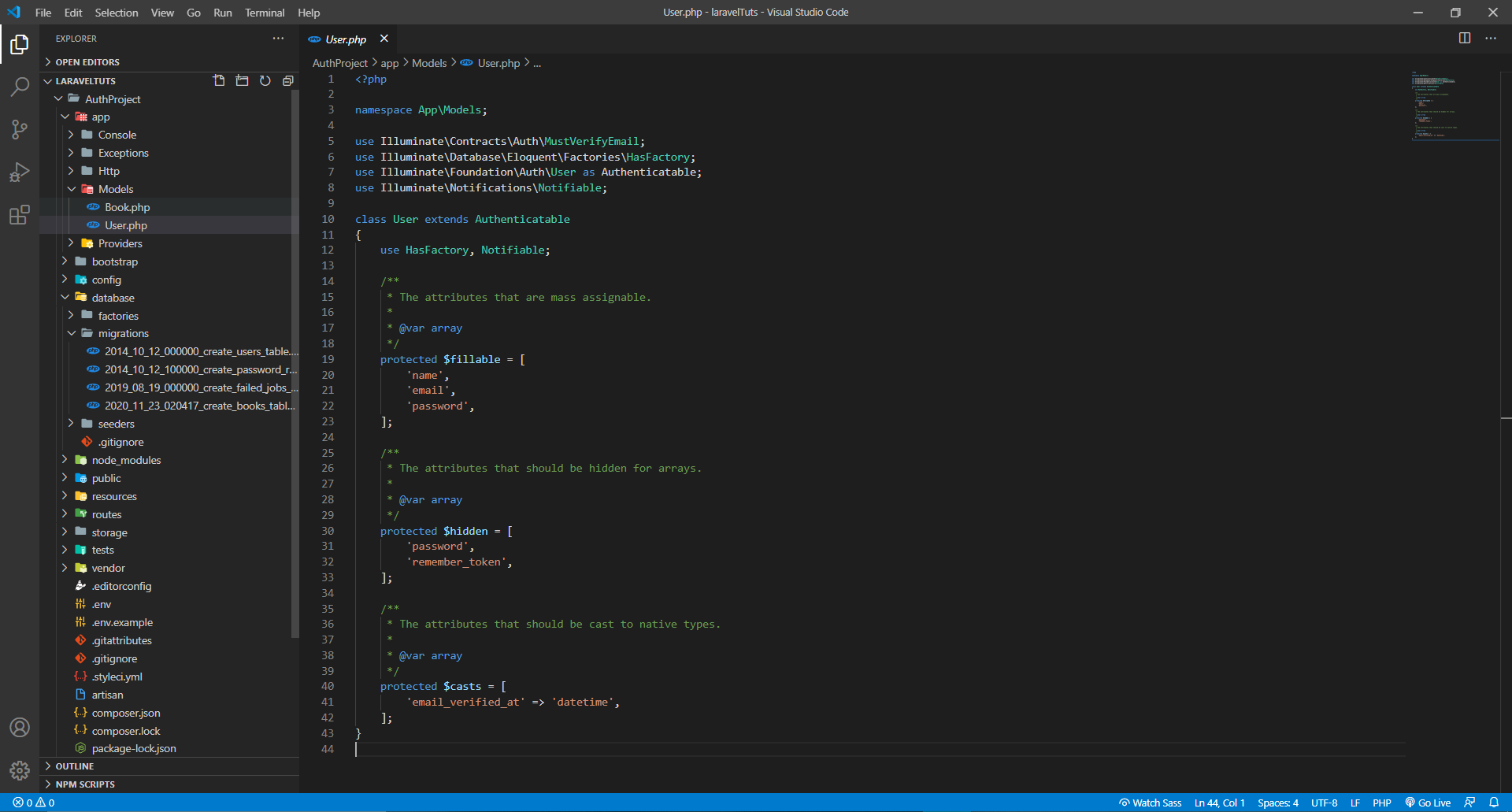


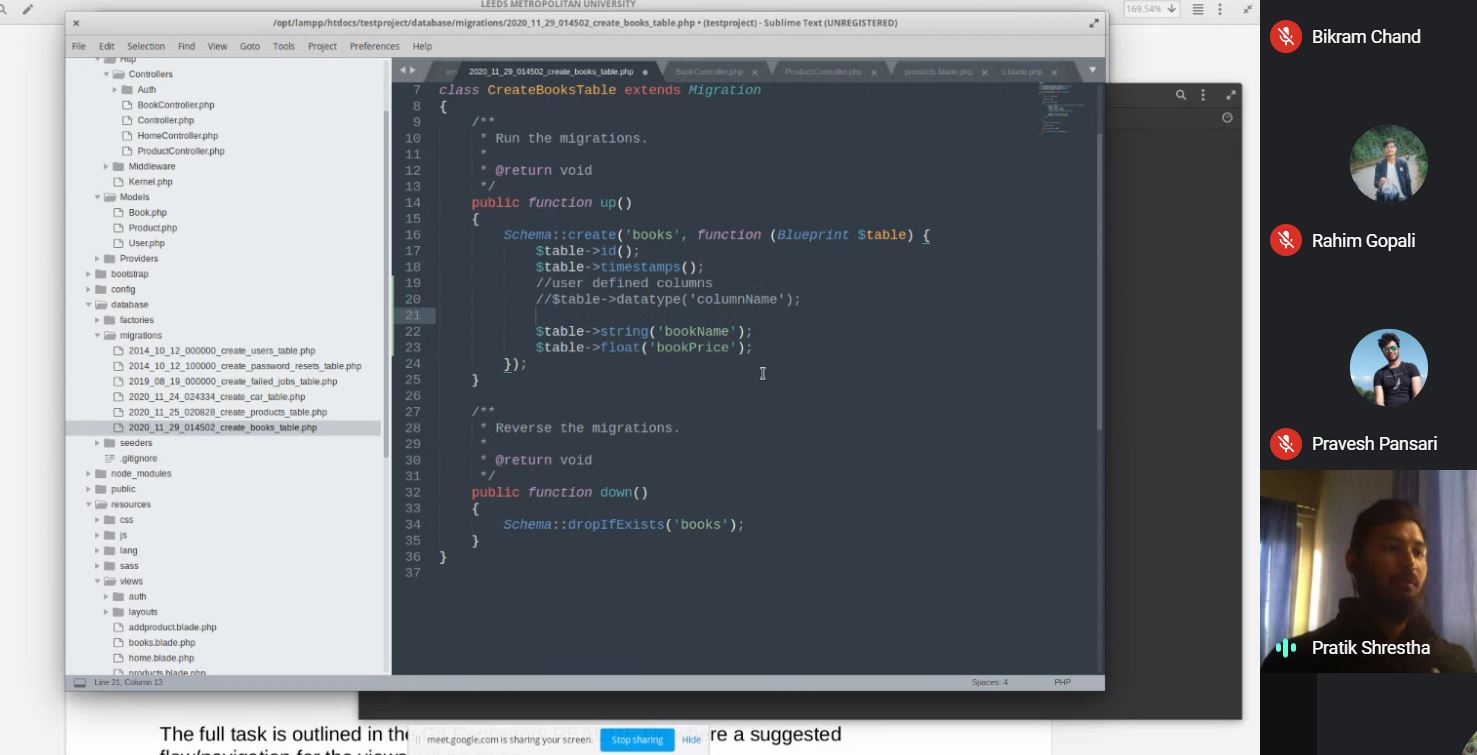




Day 10: models

* Default user model



Day 11: form processing



Day 12: form continue and component 2 discussion

