

Open-source technology User report for flask

Code repository: <https://github.com/pallets/flask>

Framework : Flask

License Type: BSD-3_Clause License

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Who worked with this: haohui lin, jinwei li, shouyue wu.

What does this tech do for you in your project?

Flask framework is foundation for developing applications and it contains in built modules and libraries which makes our group member working on backend much easier. it is lightweight web framework which create a web server of our own and host a website in less than seven lines of code, also the syntax and rules of this framework are easy to understand even if you are new to python.

Where specifically is this tech used in your project?

we use this tech on server.py. To start the web server simply execute our script, the socket_server.run function encapsulates the startup of the web server and replace the app.run(). We are using @socket_server.on for creates a server-side event handler for event like checking connection, disconnection, message and other event such as receiving, sending, connection events or error handling.

How does this technology do what it does for you in the purpose section of this report?

This framework helps us to create a live chat, moment, join_room and leave_room, the purpose of this is making flask and WebSocket work.

Where is the specific code that does what you use the tech for? You must provide a link to the specific file in the repository for your tech with a line number or number range

https://github.com/Lostpart/CSE312_Project/blob/4dd44095eaed003fcc2052f39818c51db91a2649/chat/chat_controller.py#L20

https://github.com/Lostpart/CSE312_Project/blob/8fe7cdf37c179a3bb4bc4c1f65da1c9f9d2307a7/server.py#L12

https://github.com/Lostpart/CSE312_Project/blob/8fe7cdf37c179a3bb4bc4c1f65da1c9f9d2307a7/server.py#L17

Open-source technology User report

Framework : Vue.js

Code repository: <https://github.com/vuejs/vue>

License Type: MIT License

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Who work with this: Shen Hai Qi yang cao wang

What does this tech do for you in your project?

Vue.js is flexible, it allows us to write our template in HTML file, JavaScript file and pure JavaScript file using virtual nodes, you can add and work with tools like templating engines, CSS preprocessors and type checking tools like typescript. And also Vue.js facilitates them to integrate with the existing applications, because base on JavaScript framework and can be integrated into other applications built on JavaScript. Vue.js consists of single file components, it includes all kinds of the code such as HTML, CSS, and JavaScript, everything will be in single file. Most importantly we can combine Vue.js and Element UI for better Vue integrations for agnostic libraries, such as bootstrap, Bulma.

Where specifically is this tech used in your project?

We use Vue to replace HTML file. We write our code in component and import all the ". Vue" into single JavaScript file, inside of .Vue file we are creating default template, which is similar to HTML, it has script<> which we can write or JavaScript code inside and CSS Style, and we also use Vue router and view in our project, it help link between the Brower's URL and components and allowing for certain path to render whatever view is associate with it.

How does this technology do what it does for you in purpose section of this report?

So Vue.js focus on the view part of our application, it link our data object model, which is view part, with our instance, the model part and linked by the data binding system, which mean "View <->view model <->model", between view and view model it has data binding, and model provide data to view model.

Where is the specific code that does what you use the tech for? You must provide a link to the specific file in the repository for your tech with a line number or number range

https://github.com/Lostpart/CSE312_Project/blob/8fe7cdf37c179a3bb4bc4c1f65da1c9f9d2307a7/312_vue/src/components/LoginForm.vue#L12

https://github.com/Lostpart/CSE312_Project/blob/8fe7cdf37c179a3bb4bc4c1f65da1c9f9d2307a7/312_vue/src/components/UiSessionPanel.vue#L41

https://github.com/Lostpart/CSE312_Project/blob/8fe7cdf37c179a3bb4bc4c1f65da1c9f9d2307a7/312_vue/src/main.js#L1