For this assignment I have chosen Flask as the server-side framework and Angular for the server-side framework. I chose to focus on Flask for the server-side framework because I have no experience using it and I am curious to learn more about it. I chose to focus on Angular for the client-side framework because I had a class learning about it and struggled a bit. I want to learn more about Angular to know the advantages of it and why it is popular. I am excited to learn more about both frameworks!

Flask uses the MVC pattern. (<https://www.softwaretestinghelp.com/flask-design-patterns-for-web-applications/>) Flask provides some nice advantages and has nice features such as integrated support for unit testing, support for cookies, HTTP request handling function, and it has a built-in development server and fast debugger. (<https://www.i2tutorials.com/explain-what-flask-is-and-its-benefits/>) Flask also has some disadvantages. Flask is not suitable for big applications, so doing bigger projects might be more time consuming. Flask does not have an admin site to see models, insert new records, or update and delete old records. (<https://allwin-raju-12.medium.com/disadvantages-of-flask-95f1ff8f83bf>) The reasons why Flask is better to use than other frameworks is because it is highly scalable, it is easy to use and flexible, it gives you greater control over codes, and it has an in-built development server. (<https://able.bio/hardikshah/6-reasons-why-flask-is-better-framework-for-web-application-development--cd398f73#:~:text=The%20framework%20enables%20developers%20to,you%20get%20with%20the%20framework>.)

Angular uses the MVC pattern. Angular provides some nice advantages such as detailed documentation, two-way data binding, Google support, and differential loading. (<https://light-it.net/blog/8-advantages-of-angular-for-businesses-and-developers/>) Some of Angular’s disadvantages are a steeper learning curve, too many versions, and a decline in popularity. (<https://www.knowledgehut.com/blog/web-development/advantages-and-disadvantages-of-angular>) The reasons Angular is better than other frameworks is because it is supported by Google, it uses TypeScript so it is easier to spot common errors, uses HTML to define the UI of the application, and testing is extremely simple. (<https://medium.com/@maaouikimo/why-angular-is-your-best-choice-for-you-next-projects-9d754fb18f91>)