Hi Jason,

For the Advanced Topics in Web Development II project, I propose to use the [deckofcardsapi](https://deckofcardsapi.com/). The deck of cards api is used to simulate a 52 deck of cards. It has api calls for creating a new deck of cards, shuffling, drawing and separating the deck into piles. I plan to use this to simulate a blackjack table and showing the probability of going bust to users. The api is publicly available for free so this api can be accessed by anyone. The user interaction will be as if they are a player at the table, with the site being the dealer and different buttons will be displayed with actions such as drawing another card or holding. I have found that there is a desire for more documentation, however the api itself is relatively small and simple so the reduced documentation is justified and shouldn’t cause too much of an issue.

The api owner allows a private version of the api to be privately hosted going as far to provide a docker file for setup. However, for the purposes of this project there are little concerns with using the publicly available one. As the data driving the api is only a deck of cards concern over hiding this information is unnecessary and does not infringe on any laws, such as GDPR.

This project will the completed using ASP.NET Core as the chosen development language/architecture. This was chosen due to my experience being that I work with the architecture as a part of my day-to-day job. This also means I’ll be able to have support from members of my team at my employers. After confirming with yourself, the server should be able to support the hosting of the created website. The use of ASP.NET Core will greatly simplify the project due to the reasons stated above and with the complexity being reduced this means a reduction on the time required to complete the project.

Please let me know of any questions or concerns you may have towards my project.

Kind Regards,

George