Introduction to Mapbox :

- Mapbox is an open source platform.
- Mapbox can be deployed either as an application interface or a software development kit.
- For the AR Campus Tour project we are using the Mapbox unity sdk.
- Mapbox is used for creating custom designed maps.
- Applications that use mapbox include Facebook,Lonely Planet,Snapchat and The Weather Channel among others
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What can we accomplish in Mapbox without writing any code ?

- Changing font styles is easy given that all we need to do is download a custom font and change the font style of names in the map. In our project we can employ two font styles one for places on schedule and the second font for places not on schedule.

- Adding 3D buildings is as simple as turning on a toggle in the components section of the mapbox studio.Apart from this there is an option to create our own custom layer for buildings.In the project we can use this feature to show buildings within a campus location.

- Along with the 3D depiction we can further customise these icons using colour to distinguish between buildings of various heights.In the project this feature can be used to add and name a building you know the rough location and height of.

What are some complex tasks that we can accomplish using Mapbox ?

- Creating indoor floor plans can be done in a mapbox by employing georeference to the real image of a place.This is a crucial part of our project where the application helps a person navigate within a campus building.

- We can add points of interest on the map using mapbox features.This help people using the application to see the distance between two points and schedule their time accordingly.

- We can notify a person passing by a student club building or any building about its use or events that take place in those buildings using geofences for location based notifications with the help of mapbox studio.

References:
https://www.mapbox.com
https://docs.mapbox.com/help/tutorials/

Note:This is a live document and will be updated through the duration of sprint 2 as well since there are a considerable number of features of Mapbox that are yet to be explored in detail.