Risk1: The author has no experience in developing a complete web application, Creating database, Creating API’s and integrating with front-end.

Action: In order to build a complete web application, one must know how to develop it in every phase.

Risk 2: While implementing algorithm for allocating of groups. We cannot guarantee them that we will allocate the, with their 1st preferred topic.

Action: We Implemented algorithm in such a way that, it tries to allocate their first preferred topic In most of the cases unless the topic has already allocated to 5 students and there is no chance of adding new student into that group. In this case algorithm tries to allocate with their second preferred topic and continues with 3rd, 4th and 5th topic in case of same situation where topic is already allocated.

Risk 3: Implementing weighted algorithm forces students to allocate them their lowest preferred topic even when highest preferred topic is available. This situation occurs when a group is allocated with 4 students with their highest preferred topic as their group topic, but 5th student is forced to allocate this group even if his highest preferred topic is available.

Action: We implemented an algorithm which first tries to allocate their highest preferred topic unless the group is allocated with 5 students.

Risk 4: Get values from Database and display them in the table.

Action: To make sure that all our values are displayed from the API with GET method, we used a code from online source to display values in the table dynamically from an API.