**CS 247 Project II**

**Part II**

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Critical Synthesis

Our initial design received mostly positive feedback. Users liked our clean, well-defined grid layouts and found the balance between too much and too little information to be just right. Our redesigned calendar (the one on the original website was very clunky and awkward) received a lot of feedback and we decided to combine our two ideas into one new design.

Another main point of feedback was our hotel search functions. We originally included basic filters such as price, distance, and ratings, but we thought we could help the user better perform their search with more advanced options. We performed some research and found that many users also care about promotions, reward programs, and amenities. We wanted to keep our advanced options bar clean and minimal, so we decided to toggle promotions with a checkbox, a dropdown menu with options for reward programs, and a search bar for amenities. At first, we considered laying out all the possible amenities, but realized that it would really clutter the user interface. Most amenities people are looking for are quite common so we thought a search bar would be ideal. A potential issue was that users may search for terms using colloquial language or different names, such as complimentary wifi vs free wifi, so in our backend we will loosen the criteria to search for hotels containing the keywords and also for hotels containing related or synonymous keywords. If we have enough time, we may also consider parsing through the input and provide suggested term revisions. Using a search bar for amenities has not been done before so it will be interesting to gauge user feedback on it.