Reflection

- Overall, I am happy with what I made in the time I had.

- I think I stuck to a plan quite well and got most of my milestones completed in a reasonable timeframe.

- I faced significant challenges in learning a new JavaScript Library, so regrettably, my final application does not have all the functionality I had planned to include.

- I asked my lecturer, Miguel, for assistance on what to do, and after implementing some of my planned functionality to the best of my ability, I will take his advice and note my justification for feature absence here.

- My application had been coded so that accommodation and food options would be presented in the form of Cards with their title, a short description, and price-per-day listed, as well as an accompanying image.

- While I was able to populate this card format with text and image assets, and reliably filter them depending on user input, I encountered major difficulties in adding the ability to 'select' which of these option-cards the user wanted.

- As the result, both the options and the associated changes this would make to attributes such as the total cost to the user as well as what the full final summary would look like, are absent from the finished product.

- In spite of these difficulties, I believe what I have produced fulfills the requirements of the assignment brief and is a solid body of work.

Timeline Analysis

- Define business goals (include in ext. proposal) - 1 hour

- Define requirements and deliverables (include in int. and ext. proposal)- 4 hours

- **Internal proposal - 9.5 hours total**
  - Requirements + Deliverables - .5 hours
  - Research - 4 hours total
    - User Roles - 2 hours
      - Identify user stories - 1 hour
        - Identify core user story

- Identify user acceptance criteria - .5 hours

- Define user functions - .5 hours

    - Use Case Diagram - 1 hour

- Visuals - 4 hours

- **Research JavaScript frameworks and libraries - .5 hours**

    - Choose framework and library contextualized by business needs, using these to fit business goals - .1 hours

    - Decide where these technologies can be implemented (see internal proposal, wireframes and mockups). - .2 hours

    - Download into source/root file - .1 hours

    - Begin implementation - .1 hours

- **Design document - 3.5 hours total**

    - Style Tiles - 2 hours

    - Visual / Brand Guidelines - 1 hour

    - UX/UI elements - .5 hours

- **External proposal - 9 hours total**

    - Outline of functionality - .25 hours

    - Use case diagram - 1 hour

    - Technology stack (framework + library) chosen + justification - .5 hours

    - Wireframes of main page + functions - 2 hours

    - Mockup of main page - .5 hours

    - Assets sourced by… - .25 hours

    - Adherence to brand guideline - .25 hours

- **Web application dev + testing - 28 hours**

    - **Setup HTML / CSS boilerplate - .5 hours**

    - Setup views for each core function - 5 hours

    - Implement behavior through JS, library and framework. - 15 hours

    - **Perform unit testing of functionality - 1.5 hours total**

- - Check if acceptance criteria of user stories have been met - .5 hours

    - Check if conditional functionality has been met - 1 hour

  - Implement styling - 4 hours

  - Perform unit testing of finished product. - .5 hours

- **Total time to completion: ~ 54 hours**

- Completed tasks are highlighted green, while attempted tasks are highlighted yellow.

Timeline Reflection

- As I come from a design background, the initial planning of this project took less time than I anticipated, shown at the start by a rapid decline in 'Hours Required'.

- However, when it came time to incorporate React and JavaScript into the project, the momentum was last somewhat as a lot of time was spent upskilling instead of working on the project code.

- There were moments where it just 'clicked' and I was able to incorporate the majority of planned features in rapid succession.

- However, when reflecting on the overall project, I know there is more I could have done in terms of feature addition.

- For this reason, I estimate an additional 4-6 hours of effort are required to polish and refine the application, move it more in line with the produced mockups, etc.

- This is on top of continuous efforts to keep the code as 'to-standard' as possible; being somewhat of a newcomer to coding and web development, I would rather err and estimate on the side of caution than be boastful that what I have made is perfect.

- In addition, I estimated I would be finished by the 29th of June, but instead finished on the 1st of July due to other commitments delaying my start date.

- The same number of days were taken to complete the project, just not those specified in the Internal Proposal

- To conclude, while I feel I fulfilled the requirements of the brief as specified at https://uponline.education/mod/assign/view.php?id=1666&module=2&mname=Foundation Coding&actione=view , I could have done more to fulfill the **_spirit_** of the brief by adding more functionality; but I am not sure.

Burndown Chart