**Project name:** Business Community Directory - BCD

**Your name:** Zeeshan Rais

**Repo URL**: <https://github.com/zraees/lut/tree/main/fullstack/BCD> (almost daily push changes into repo)

**Public URL**: <https://helpful-brigadeiros-d0d02a.netlify.app/> (old latest not deployed because of backend deployment issue)

**Weekly Progress Report**

**1. Progress & Achievements**

* **What specific progress did you make this week?**  
  *This week was mostly dedicated to learning unit testing for the UI (React). I learned Jest and the React Testing Library, and using these libraries, I implemented unit tests in my React project. I also created backend endpoints to fetch businesses and featured businesses. Then, I consumed these endpoints in React using the Axios library to display data in components.*
* **What went well this week?**  
  *I successfully implemented unit tests into React.*

**2. Challenges & Problem Solving**

* **Describe any challenges or blockers you are currently facing.**  
  *I am facing challenges with backend deployment; my Azure student account is disabled/expired. I am now looking for alternatives for backend deployment and may explore AWS.*
* **What strategies have you tried to overcome these challenges?**  
  *I decided not to spend more time on the current issue and plan to transition to AWS, as my main focus this week has been on unit testing and backend endpoints.*

**3. Goals for the Coming Week**

* **What do you plan to accomplish in the coming week?**  
  *Next week, I plan to implement endpoints for users and reviews and write unit tests for the backend.*
* **Do you foresee any obstacles to achieving these goals?**  
  *Not really. I plan to use JWT for backend authentication and Axios interceptors to pass the token with each request from the client.*

**4. Learning & Knowledge Building**

* **What new concepts or skills did you learn this week?**  
  *I primarily learned about unit testing and explored new libraries like Jest and the React Testing Library*
* **What must you learn or improve to implement your next steps?**  
  * I need to learn about AWS deployment and xUnit for backend unit testing.*
* **How will you fill any gaps in your knowledge? What resources will you use?**  
  *I mostly use Google to find the best articles related to any challenges I encounter, and I also watch some YouTube channels for additional guidance.*

**5. Collaboration & Feedback**

* **Did you meet with a classmate or coalition this week to discuss your project?**  
  *Yes, last week I met with a couple of classmates to discuss best practices used in React.*
* **Do you have a plan to gather feedback on your project?**  
  *In the upcoming class, I will definitely try to gather some feedback*

**6. Hosting & Deployment**

* **If deployed, have you updated your public URL since the last report?**  
  *I regularly push changes to the repository, but I have not redeployed the public URL since it is now connected with the backend, and I am looking for an alternative for backend deployment.*
* **Is your backend deployed, and does it communicate with your frontend?**  
  *My Azure student account is expired/disabled, so I am looking for alternative hosting solutions, possibly AWS.*

**7. Reflection & Motivation**

* **How is your motivation level? Are you excited, demoralized, determined, intimidated, or something else?**  
  *I am motivated but also a little worried about backend deployment.*
* **Is there a topic or tool you’d like covered in class or a future resource you’d find helpful?**  
  *I would appreciate coverage on AWS deployment for .NET Core Web API*

**8. Is there anything else you'd like to share about anything at all, that wasn't covered in the questions above?**

Not really.