



## Digital Product "Take-home" Exercise

### Launch a Product: Split Bills Without the Hassle

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Splitting bills with friends is complicated. When you're at a restaurant, you have to decide if you're going to split the costs evenly or itemize everyone's meal and drinks. There's existing apps that handle check splitting but we believe they fall short. Imagine this scenario:

Tonight is Sabrina's final performance of 'The Wiz' at the local community theater. 18 of her friends and coworkers from her day-job are going to Woods Grill to celebrate Sabrina after the show. Some friends leave immediately for the restaurant to eat a late dinner, while others linger at the theater with Sabrina as she finishes cast photos. A round of shared appetizers are added to the table order whenever more of the group arrives at Woods. Half of the party also order fresh margaritas. By the end of the evening, no one wants to interrupt the lively flow of conversation by looking down at their phone, especially since several friends are heading straight to another bar to continue the festivities. The restaurant cannot split checks; how does everyone pay?

How would you solve this problem? **Submission instructions:**

Submit a presentation (Google Slides or PDF attachment preferred) that outlines what you propose to build and why. **Timebox:** please spend no more than 4 hours on this exercise. There is no "right" answer here; you will not have enough information or time to arrive at a finished spec! We're interested in seeing how you approach the problem, your questions and assumptions, and how you organize your thoughts:

- **Clarity:** Is your response easy to understand, and succinct? Do you present a sound hypothesis?
- **Product Thinking:** Does your response address appropriate problems and go beyond the obvious?
- **Feasibility:** Does your response reflect a grasp of modern web technology and user experience design?

The document you create should be suitable to take as a first draft to a designer, engineering lead, or stakeholder to *start* exploring what to build and "level of effort" (before evolving into a formal presentation for a broader group). Feel free to include a sketch or lo-fi wireframe, or any other asset to help convey your idea. If you proceed to meeting more of the team, your half day of interviews will begin with a simulation of this 1:1 presentation to a member of your cross-functional team.