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Self-Assessment

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My individual contributions to the project included design and implementation of the task creation form. I also did a little bit of work on sending created task information to the database, and the swipe-to-complete functionality of tasks displayed on the home page. I applied both the technical and non-technical skills in my initial assessment from the fall, including data structures knowledge, working in a group setting, source control, and testing. I also believe that the consistent work on this project helped exercise and improve these skills, even if the improvement was small. I even got to learn a new framework and programming language.

Implementation of the task creation form involved lots of UI layout experimentation, and it took a while to get it exactly how we wanted it to look. This was done with the use of Flutter's widget trees, which make it simpler to implement and layout UI elements like text inputs, buttons, and modal dialogs. I also added validation to almost every element on the form, using Flutter's widget properties that allow text controllers and validation checks to be added directly to UI elements. There is also flexibility with this in terms of where you want to display the error message, which I also utilized. I was able to send user information from the task form to the database through the use of some simple code calls, thanks to the fact that we were using a no-SQL database. Overall, I learned a lot about Flutter as a whole, particularly widgets, widget trees, and accessing and manipulating the properties of Flutter widgets. I also gained more competency in consulting documentation, because I was doing a lot of that throughout the project. I would categorize all of the previous as successes. There were some obstacles to overcome, including learning a new programming framework and language, source control issues, Flutter updates mid-project, and going through several iterations of the form to get it right.