PlanIt
Study Assistant

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“Birds of Paradise” (106-2)

CSCI 3308 Software Development Methods and Tools
Professor Alan Paradise and Sharan Srivatsa

- **Vision Statement:** Students today face a lot of pressure with keeping their academic lives in order. With PlanIt, we hope to carry some of the burden students face and help organize some of their disorganized schedules by centralizing everything a student needs in a paper planner on one platform.
- **Purpose:** PlanIt Study Assistant serves as an online planner for students who need help organizing their student lives at either the high school or university education-levels. Since most school work is conducted online these days, we hope to keep school planners in the same medium as most class material.
- Today's live demo will exhibit several features, including: an assignment tracker, a calendar, and a gradebook.

Project Management & Tools

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Trello (Project Tracking) ★★☆☆☆

First began using Trello for project tracking, but didn't really find it useful in mid-and-late development of the application since we found ourselves communicating directly more often. We eventually transitioned into a waterfall method while keeping our Trello due dates.

GitHub (VCS Repository) ★★★★★

Straight forward. GitHub's user interface is intuitive to use for new developers and never once did we run into an issue with uploading and retrieving code on-the-go. No one person could hoard a web page like a dragon hoards its gold.

Heroku (Deployment environment) ★★★☆☆

While Heroku is easy to use in theory, there were many hoops to jump through that caused delays in the development and deployment of the application in practice.

PostgreSQL (Database) ★★★★☆

PostgreSQL is PostgreSQL. While it isn't hard to use, it's relatively outdated and not real intuitive to use.

Additional Project Management & Tools

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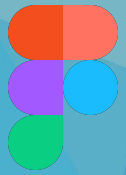

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Group Challenges

- Lack of team members
  - While the team was initially assigned six members, we had to work with four.
  - With a lack of team members, we had to scale back the size of our project and individually pick up more work on top of our schedules.
  - While this was a huge roadblock for us, we were able to work through this in several ways:
    - We held each other more accountable of project feature deadlines.
    - We became more effective communicators with one another.
    - We were able to recognize sooner what we could handle as a group.
- Lack of knowledge
  - From start to finish, we encountered technologies and programming languages we've either needed brushing up on or never encountered before.
  - Thankfully, everyone in our group was capable of filling in some form of gap in knowledge throughout the process. If we ran into something no one knew, we usually researched it online.
  - This taught us to be more self-reliant and better "Googlers" with areas we didn't know.

Live Demo

Remember everyone. Don’t just plan ahead...

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