

Pro

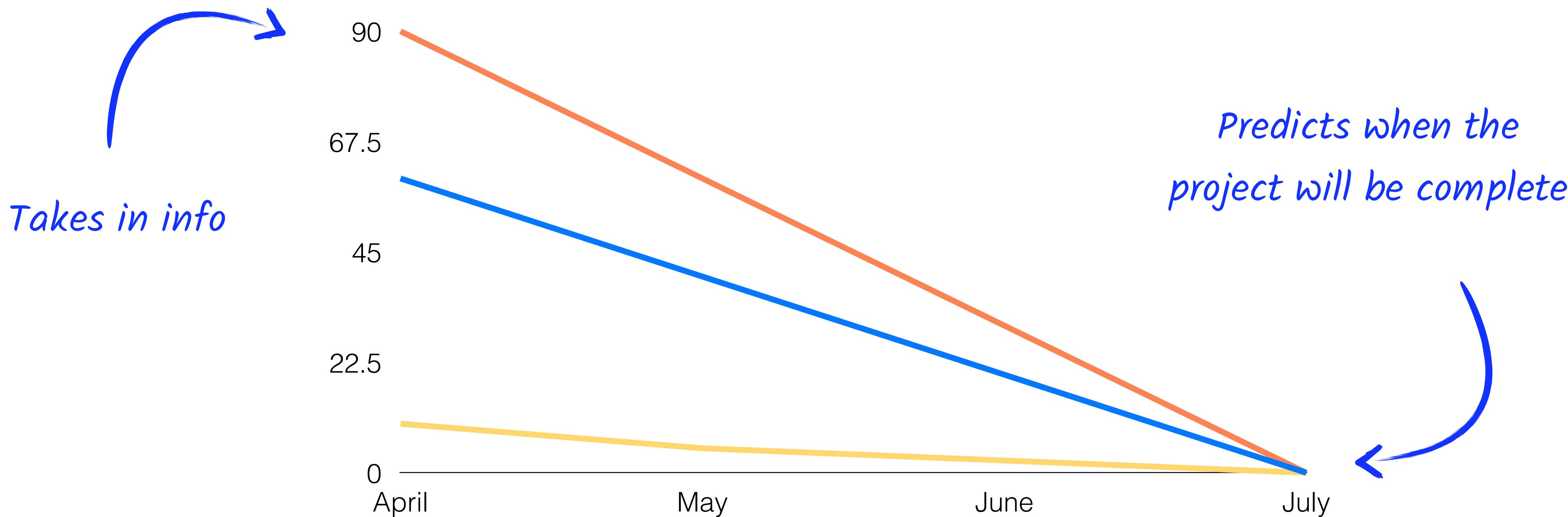
Project 3

By Hayley Rodgers



THE ELEVATOR PITCH.

“**PRO** is the data-driven **project management tool** for software development teams.”



PRO

The Concept.



The motivation

Allocate resources efficiently.

Plan accurately.

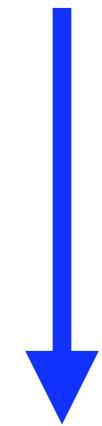
Prevent underscoping.

Reduce bugs.

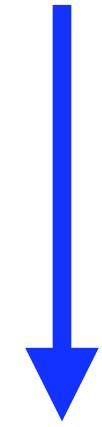
Improve user experience.

Pro's user story

AS A software development team manager



I WANT a data-driven project management tool



SO THAT I can accurately predict project completion timelines.

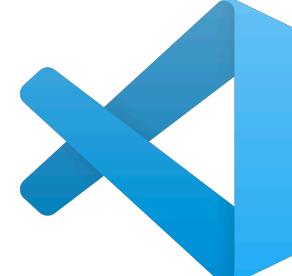
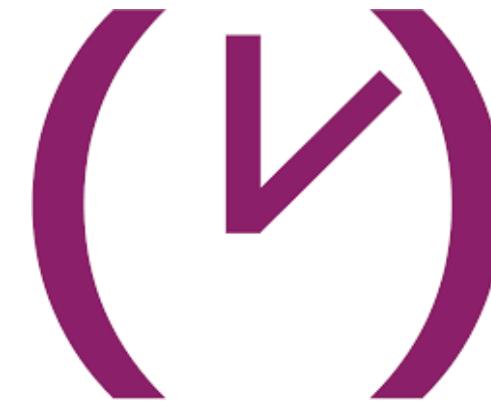
PRO

The Process.

Tools and tech

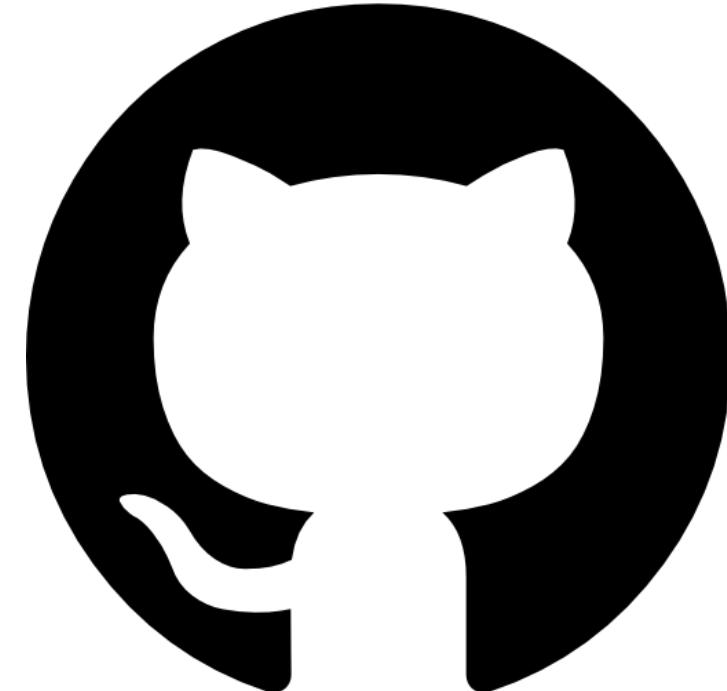
To create Pro, I used the following packages and technologies:

- HTML
- CSS
- Bootstrap
- React-Bootstrap
- React-DOM
- React-Router
- Javascript
- Node.js
- Express.js
- MongoDB
- Mongoose
- JWTs
- Chart.js
- React-chart-js
- Date-fns
- Bcrypt
- Github
- VS Code
- Heroku



mongoose

mongoDB



CHALLENGES

-  **Getting started** - deciding the target market, MVP etc
-  **Database design** - relationships between models, eg. Users vs team
-  **Database design** - interacting with two levels of subdocuments
-  **Chart creation** - getting data in the right “shape”
-  **Server crashing** - when data entered incorrectly



SUCCESES

It actually works!!!

PRO

Demo.

PRO

Future Directions.

Pro Future Development.

- Add another user role (dev)
 - actually use Pro as a work management software
 - collates data over time
 - creates actual efficiency values
 - suggests time estimates for tasks
 - suggests changes to plan to meet a certain time deadline
 - Improve UI during project creation
 - Turn into a PWA
 - Add Stripe payment platform when team is above a certain size



Pro Links.

<https://github.com/hayleyarodgers/project-management-tool>

<https://hayleyarodgers-pro.herokuapp.com/>



*It's been great meeting you all and I'd love to see what you all get up to next!
Add me on LinkedIn at <https://www.linkedin.com/in/hayleyarodgers/> *