Courtenay's Proposal

Description:
I intend to build a site that tracks and displays tip information of restaurant employees. Transparency of tip allocation, and efficiency is the focus of this project. Restaurant managers already don't have enough time in their days to get all their work done. This site should be stress-free and easy to work with for managers dealing with inputs and discrepancies, and transparency of tip allocation for the employees receiving tips.

The site will link to a database that stores employee information, and displays it to the user. For each shift, every employee that worked that shift will be able to view all the stats on other employees in that shift. Hours and tip information will be taken from the Aloha POS used in the restaurant. This site will be an easy-to-use application for employees to track their tips and the honesty of the managers allocating those tips. Transparency is key. Discrepancies in tips, adjustment of hours etc should be easy to adjust.

Core Features:
A basic interface for employees. Readable information for each week, and each shift. Clickable overviews, detailed information for each shift and each employees. Takes in max-points for each employee, hours worked, and total tips to be divided to output the amount each employee makes.

Stretch Features:
The link between Aloha and this app will be the next phase (ie. the actual functionality of the site). As well as, the deployment of tip information to the bank to send out the e-transfers that correspond to the amounts on this site. It would also be ideal to be able to store weekly information outside of an actual database to erase any trail of financial information that employees may not want known. Maybe just a hashed version stored in the database of the actual amounts.

Tech-Stack:
Mongo, JS, axios, express, React, node

Description of Data:
All data comes from Aloha POS

Static data on employees:
- Name: string
- Login: Number
- Position: string
- Max-Points: string

Position:
- Captain: Number
- Jr. Captain: number
- Bartender: number
- Server assistant: number

Shared Position (numbers restricted as totals so if multiple users are sommeliers in a shift, they share this number) :
- Sommelier : number
- Events: number
- Concierge: number
- Kitchen: number

- Reservationists: number

Shift information for each employee:
- Start time: number
- End time: number
- Hours worked: number
- Amount of tips contributed: number
- Allocated points: number
- Tips paid: number

Shift information totals:
- Date: number
- Shift: string
- restaurant: string
- Value per point: number
- Total hours of all employees in pool: number
- Total points in pool: number
- Total tips: number

Weekly information for user(employee):
- Date: number
- Total daily tips for each day: number
- Total tips paid for week: number
- Total tips contributed for week: number
- Total tips contributed for each day: number
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Data I would like to include in the future:

- section(table numbers): numbers
- Sales (only visible to user): number
- Stats on performance (time of day, section, how many hours already worked, who else is working)

User Stories:
A captain of the restaurant works a dinner shift and brings in $800 in tips. They can log into their account at the end of the shift to see what everyone else brought in, how many points are in the pool and the value of each point. They can click on the shift to see the breakdown. Everyone who is in the pool is accounted for on the site (events, reservationists, concierge, kitchen, valet). Complete transparency of all gratuities. User can check their paper cash-out to make sure it matches the numbers on tip roll to ensure no money has gone missing.

It would also be ideal, in the future, to have a feature that tracks the sections of the captains to show who sells the most in each section to generate more money in gratuities and in sales. Lounge servers don't feel inadequate for not bringing in as much as servers working better sections. Employees strengths are utilized.

Front-End:
- Login
- Home page: weekly view of tips
- Shift page: breakdown of shift data

Server-Side:
- Login
- Home:
  - Click on a day and choose:
    - Lunch
    - Dinner
- Shift breakdown

Schemas outlined in Data Description above

Project Timeline:
- Front-end:
  - Build the aesthetic of the site
  - Make sure button clicks and links work
  - Login authorizes and authenticates appropriately
- Back-end:
  - Pulling data from Aloha is working and accurate

Wednesday 14th:
  - Basic set up of react components:
    - Home page display the week and users name, placeholder link to click on to toggle between lunch and dinner shifts
    - Shift page: general hardcoded placeholder data displaying employee info and tip amounts to later be changed to info from a database

Friday 16:
- Have the skeleton of the site up
  - Login is working and storing somewhere
  - Authorizes user to access their personal data
  - Styling of all components done as much as possible
  - Set up Schemas

Monday 19:
- Start back-end set up
- Figure out aloha and the data I have access to
- Research any packages to make the front end stuff better

Wednesday 21:
- Have aloha speaking to server to collect and implement all data
- Set up all endpoints

Thursday 22:
- Final styling
- Bug fixing
- Making everything the prettiest
- Deploy the project?

Friday 23:
- Sleep well and shower and be ready to network