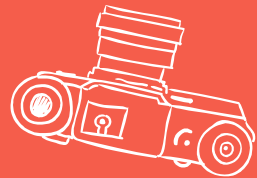# Weekend tracker

The Team

2/C Harrison Bleckley
1/C Drake Bodine
1/C Lani Davis

I just want to go on weekend but LT hasn't sent out the approved weekend list.

Why do I need to fill this out? It is the same as my companmate's/roomate's on the line above.

The Admin officer miscounted my weekends again...

Do I have any incentives I can use?

Why the current solution doesn't work

The current use of Google Forms isn't the best:
- ❌ No privacy– anyone can read it
- ❌ No accountability–Your admin officer counts the weekends
- ❌ Who tracks incentives?– Can't use if you can't prove you were given one
- ❌ Duplicated data

Weekends are important to Everyone

❌ Midshipmen– want to go on weekend
❌ Chain of Command– has to approve the weekend list
❌ CDO– needs to know who is on weekend (preferably in an easy list to copy to the 0800)
❌ Admin Officer– has to track weekends

How we Planned to Do it

ER Diagram and Design Considerations

What the Solution needs to Have:

- ✖ Midshipmen can input weekends plans and use incentives
- ✖ Midshipmen can update their information
- ✖ Midshipmen can track their weekend approval status and incentives
- ✖ Chain of Command can approve the weekend list
- ✖ The number of weekends and incentives are tracked automatically
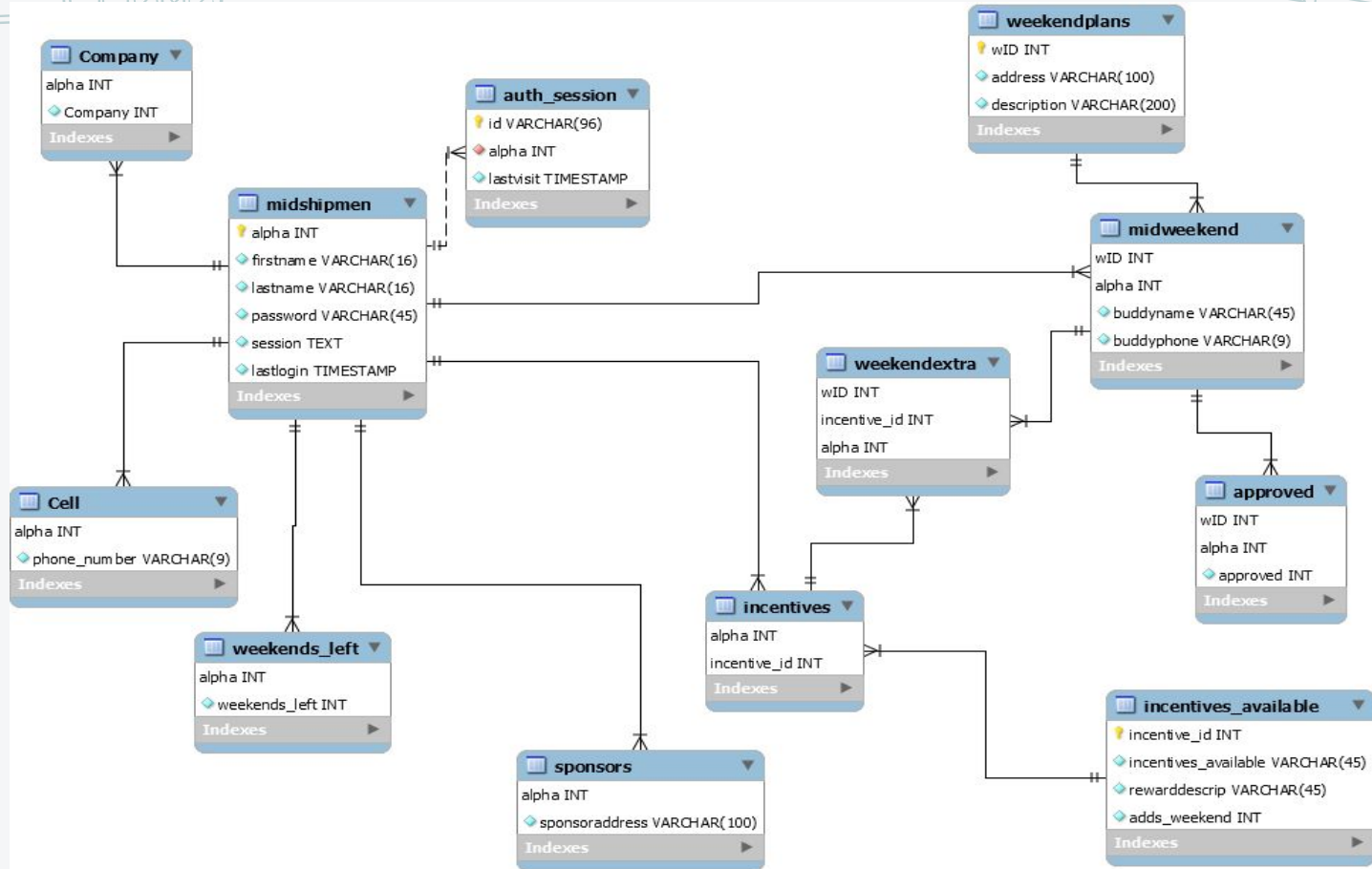- ✖ New users or incentives can be added by administrators

What Extra Features Can We Add?

- ❌ Sponsor address stored so you don't always need to type it in
- ❌ Add yourself to a friend's weekend plan if you are going with them on weekend
- ❌ Update your own information if you get a new cell number, change companies, or get new sponsors

ER Diagram

How we Did it

2 Sides

Midshipmen

- ✖ Add a weekend
- ✖ Check if you are approved
- ✖ Use or track your incentives
- ✖ Update your info

Admins

- ✖ Approve and generate a weekend list
- ✖ Add new users
- ✖ Create incentives and give them to midshipmen

MiDshipmen Adding Weekend

❌ Input their Buddy's name and a Buddy's phone number

❌ Input Weekend Plan ID of a friend or their address and what they are doing

❌ Can also input weekend plans for other midshipmen to help them out

MIDshipmen Updating Their Info

✖ Can update their
- ○ Password
- ○ Company
- ○ Cell Phone Number
- ○ Sponsor Address

MiDshipmen Tracking Incentives

✗ Check incentive

✗ Use an incentive by adding it to your weekend plan

✗ Incentives that have an added weekend automatically adjust your weekend count

CO Approving the List

❌ Easy one page solution that allows the CO to easily approve each weekend plan for the midshipmen in their company

❌ Easy to copy the weekend list for CDOs

Adding New Users or Incentives

❌ Easy page to add a midshipmen with information
- ○ Could easily be done during I-day indoc

❌ Easy page to add incentives. Incentives made by anyone can be assigned by other administrators.

Triggers and Procedures

❌ Midshipmen Company's are required to be in the range 1-30

❌ If a weekend plan is not original instead of duplicating the plan, the midshipmen is added to that plan

❌ Weekend count is automatically updated based on incentives or approvals

❌ Procedure to reset after every weekend

Demo

Lessons Learned

✖ Making a large complex, but functional, database can be difficult to do.

✖ Having a clear idea of how you want to make the database work and how you want the user to interact with the website is critical to making a functioning website

Conclusions

- ✖ Weekend planning on a Google sheet is not the best solution, but it is a surprisingly simple solution to a complex problem
- ✖ This project demonstrates a different way to track weekends of midshipmen that ensures more privacy and helps both midshipmen and the Chain of Command

Thank you!