



WEEKEND TRACKER



THE TEAM

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1/C Drake Bodine
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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 companion's/roommate's on the line above.

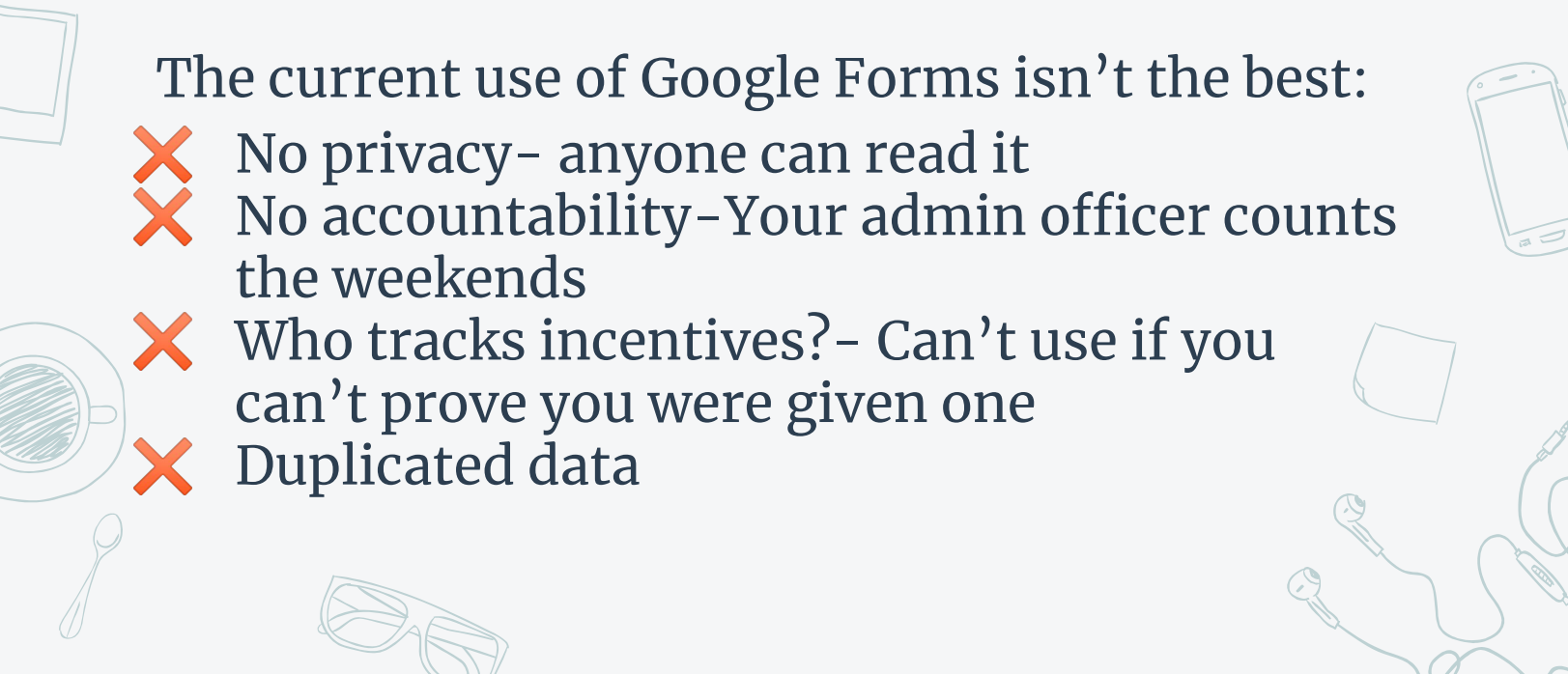
The Admin officer miscounted my weekends again...

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
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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
- ✗ Anyone- How to contact a person and where they were going if its an emergency

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



HOW WE PLANNED TO DO IT

ER Diagram and Design Considerations



WHAT MAKES UP A MIDSHIPMEN ON THE WEEKEND LIST?

- ✗ Name
- ✗ Buddy's Name
- ✗ Phone number for them and the buddy
- ✗ Address
- ✗ What are they doing
- ✗ Incentive



WHAT DOES THE CO CARE ABOUT ON THE WEEKEND LIST?

- ✗ Find just X Company's midshipmen going on weekend
- ✗ Where are the midshipmen
 - Going
 - With Whom
 - What are they doing
 - How to contact them over the weekend
- ✗ A way to approve the weekend list
- ✗ Sending the CDOs the weekend list

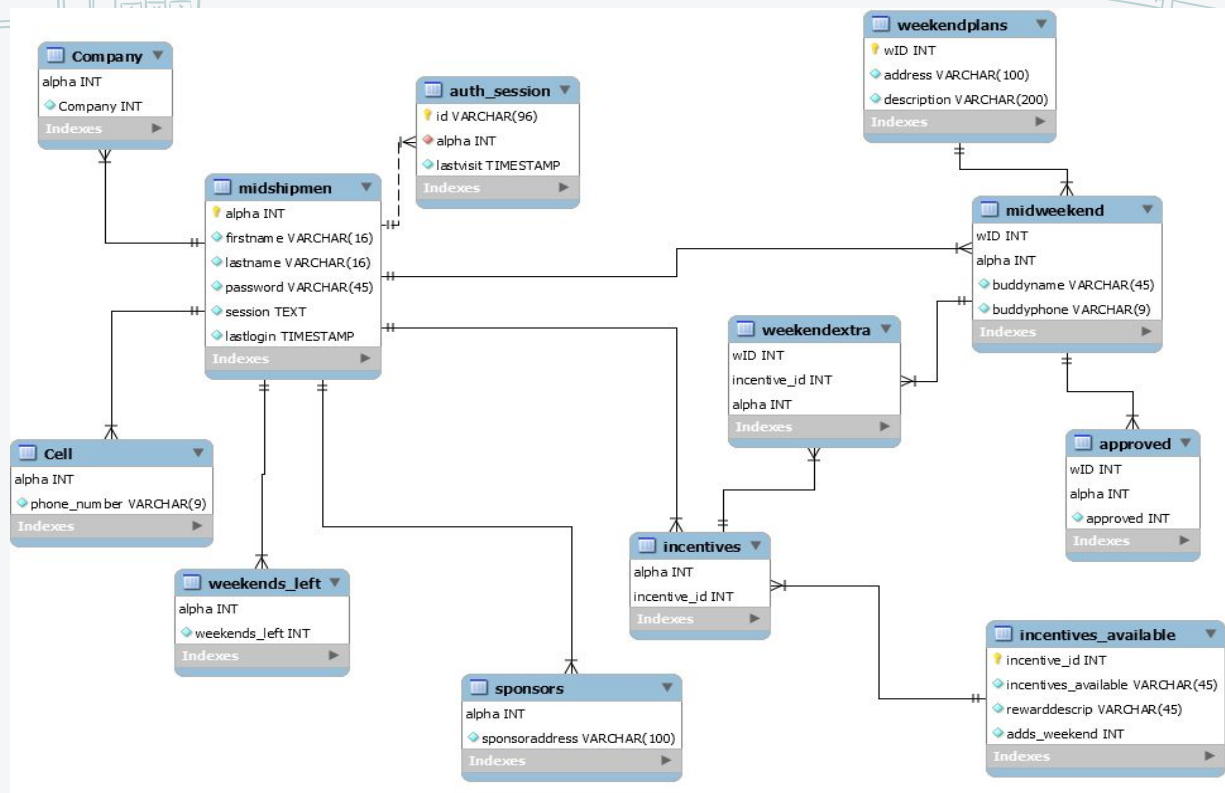
WHAT ABOUT INCENTIVES?

- ✗ Need to track what incentives are available
- ✗ Need to track who has what incentives
- ✗ If an incentive gives weekends, add to weekend count

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

- ✗ 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



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!