

## Project Idea

Overview: my goal with this application is to create an application that allows the roommate lifestyle to be an easier experience. Making the conversation of “who’s doing what chore”? or “how much are bills and when are they due?” an easier topic when it’s all laid out in front of in an application. This project will be a web-based application first before moving into a mobile friendly application to be more accessible to the modern age.

Motivation: the motivation behind this idea is that I have recently had to friends move into my house and I wanted to remove the feeling that I’m nagging them to do things constantly. I believed that I’m surely not the only person to have ever felt like this. This removes the need and hassle of making sure the calendar is set to the right month, that the shopping list is wiped clean each week and that everyone knows what their contribution is.

Description: this application’s main feature is keeping a shared record of each Month with a weekly breakdown, some of the features on this application will include:

- Meeting reminders/notes
  - o Reminder for a weekly meeting between the members of the house to ensure that you’ve checked in with everyone and discussed the weekly chores and shopping list.
  - o This will be archived under the notes section in meetings with a timestamp
  - o This will also have a voice record section in the event that you just want to put your phone down and have it all recorded (text to speech to come later)
- Chore Allocation
  - o Weekly chores assigned to a member of the household with a checking system so all house members can ensure that everyone is doing their part with a comment section to add little notes for other members for future chores
  - o This will be a calendar view in a weekly format to ensure that all members are looking at the correct week
- Reminders for Bills and Rent
  - o An email/calendar reminder system that sends you weekly reminders of the rundowns of contributions for the week this will be info based on account setup and mobile device calendar syncing option for easy reminders
- Shopping List/M meal Prep
  - o A feature with a shared note section that all members can input into on meal suggestions with recipes or general household items or food members may want on the list
  - o This will come with a checking system with house member initials to show if someone has already gone and bought or collected certain items on their shopping trips
- Shared Calendar
  - o The shared calendar’s main purpose is a friendly monthly view where members can input special occasions such as birthdays or parties, this will also allow members to

submit when their family, friends or partners may be coming over so that members can ensure that the house is presentable for all.

- This feature will also share the same alert feature as the bills and rent feature sending out a weekly email and mobile device calendar syncing option

Tools and Technologies: to run this program it will require a computer or virtual machine to develop the SQL Databases, the machine will require MySQL, and open-source integrated development environment such as Notepad++ for writing the websites HTML, CSS and other coding languages, once testing has been completed to a satisfactory level it will require to move to a server hosting company to make the application public for beta testing.

Skills required: some of the skills required are but not limited too SQL Database knowledge, HTML & CSS for basic web-development and designing as well as languages like NodeJS/PHP/C#, require web-server management experience and some minor photoshop and design portfolio work for the GUI, all these skills are easily achievable with a little time in programming practices courses or online learning resources such as YouTube. As for understanding server hosting this knowledge can be obtained by talking with providers support team and spending time in the environment

Outcome: if this project is successful, we will have a full operation Mobile and Web Application that will allow roommates/housemates to be able to document and modernise their organisation and breakdown of household agreements in a less stressful environment. Removing the need of paper usage, uncomfortable conversations when things aren't done around the house, or someone isn't doing their part because they didn't know. This will have a large positive impact and engagement as most modern day youth feel more comfortable doing things via a mobile application.