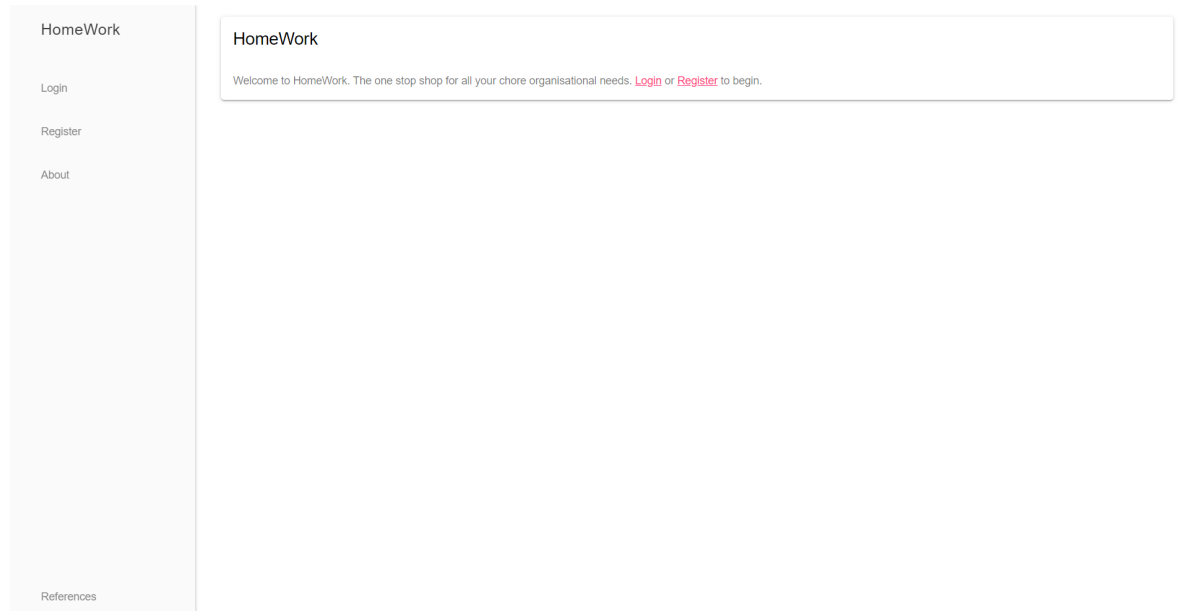


# Parth Mahendra u2002658

Note: This website works best in Chrome

## Registering

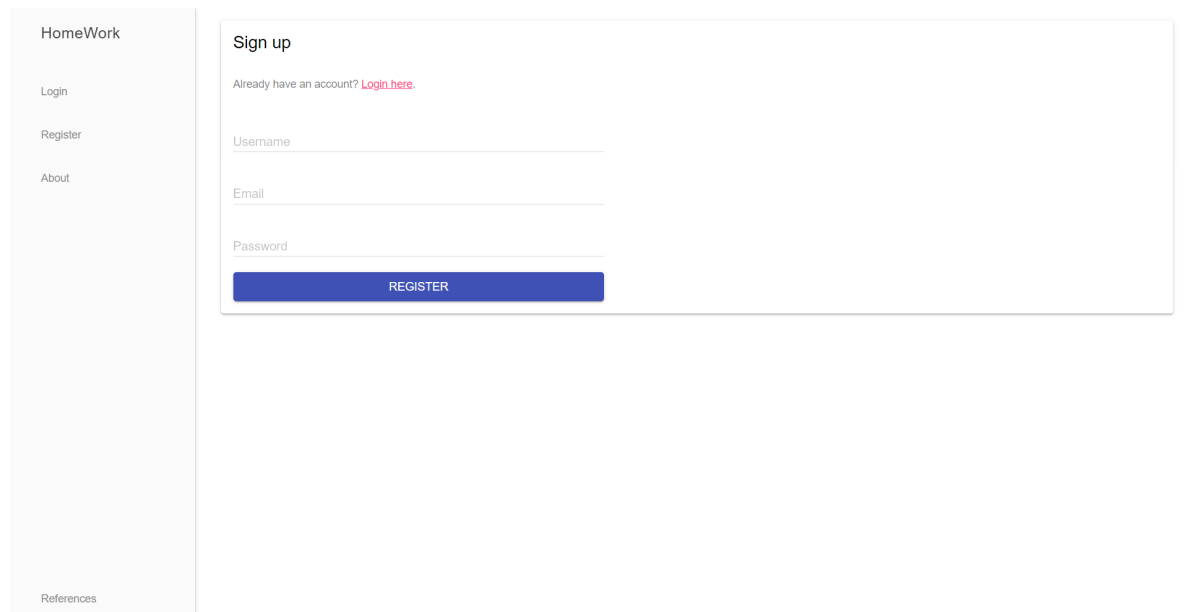
Upon navigating to the site user is presented with an option to either login or register:



The screenshot shows the HomeWork website landing page. On the left is a vertical navigation menu with links: HomeWork, Login, Register, About, and References. The main content area has a header 'HomeWork' and a welcome message: 'Welcome to HomeWork. The one stop shop for all your chore organisational needs. [Login](#) or [Register](#) to begin.'

On the first time the user will presumably hit "register".

He will then be presented with a form that he can fill in:



The screenshot shows the HomeWork website sign-up form. The navigation menu on the left is the same as the landing page. The main content area has a header 'Sign up' and a link: 'Already have an account? [Login here.](#)'. Below this are three input fields: Username, Email, and Password. At the bottom is a blue button labeled 'REGISTER'.

## Validation

When signing up, a lot of client side and server side checks are done to ensure that the user isn't trying to create a user with a username that already exists, his email is valid and his password is secure enough and so on.

For example, if the user attempts to use a password that is too weak, he will be warned as he is typing and prevented from creating an account both on the server side and client side.

## Sign up

Already have an account? [Login here.](#)

Username

Email

Invalid Password

•|

REGISTER

## Password is invalid

Password needs to have:

1 upper case character

1 lower case character

1 number

A length of at least 8

If the user still attempts to hit register:

## Sign up

Already have an account? [Login here.](#)

Username

Email

Invalid Password

•



Please match the format requested.

## Password is invalid

Password needs to have:

1 upper case character

1 lower case character

1 number

A length of at least 8

If the user attempts to just hit register with an empty form:

## Sign up

Already have an account? [Login here.](#)

Required

Username

Required

Email

Required

Password

REGISTER

## Sign up

Already have an account? [Login here.](#)

Username is taken

TestAccount

Email

Password

REGISTER

And etc for all of the mistakes a user can make.

If the user fills in the form correctly:

## Sign up

Already have an account? [Login here.](#)

Parth

parth.mahendra@warwick.ac.uk

.....

REGISTER

## Success!

The account has been created. [Login](#) to begin.

## Signing in

He can then go login with the same details as earlier and hit login and he will be logged in (provided the user got the details correct).

## Login

Don't have an account? [Register here.](#)

Parth

.....|

LOGIN

## Houses (extra feature)

In this website, users can all create and join discrete "houses", sort of like servers. This way multiple different groups can use the same website and there's no way to access the tasks of one house from another.

Upon logging in for the first time ever, user will be presented a choice to either create a house or join a house with a "code".

Homework

You are not in a house

You are currently not in a house. Join one with all of your flat mates or create one and share the details with your flat.

Join a House

Code

Password

JOIN

Create a House

Name of House

Password

CREATE

Logout

## Creating a house

In this example, I will create a new house (I will join one later):

Note: The house name is purely for aesthetic purposes, it doesn't matter if it is unique or not because houses are accessed with their code which is unique in the database, and also the password laws match the ones for account creation to ensure no one can easily break into someone else's house

Create a House

221b Baker Street

Invalid Password

.....

CREATE

Password is invalid

Password needs to have:

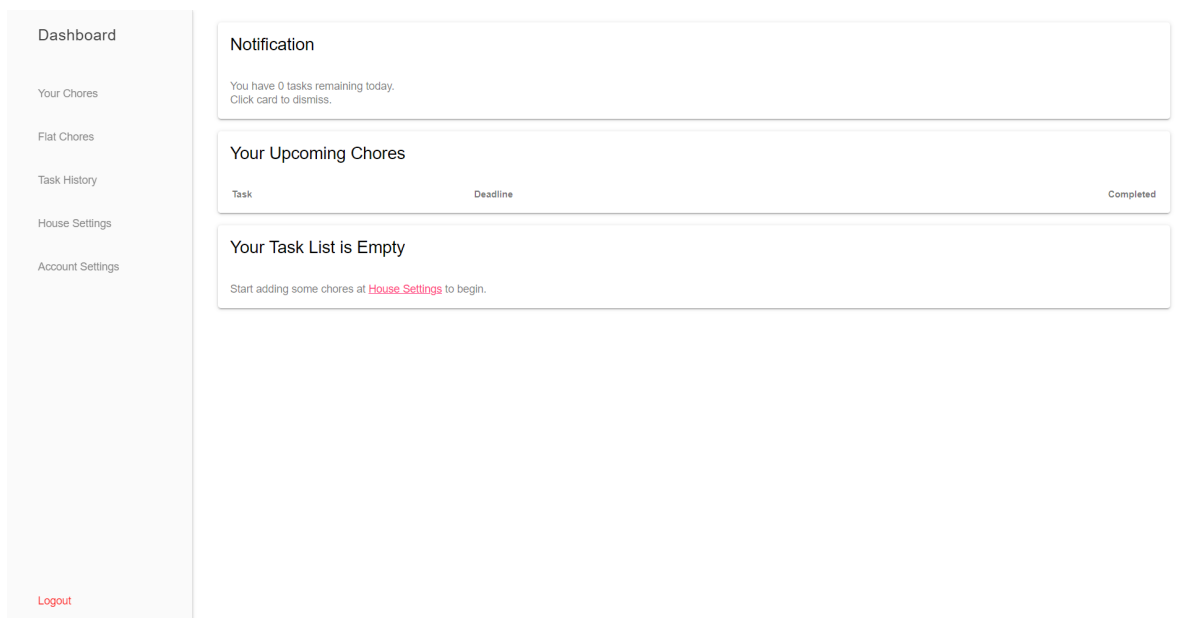
1 upper case character

1 lower case character

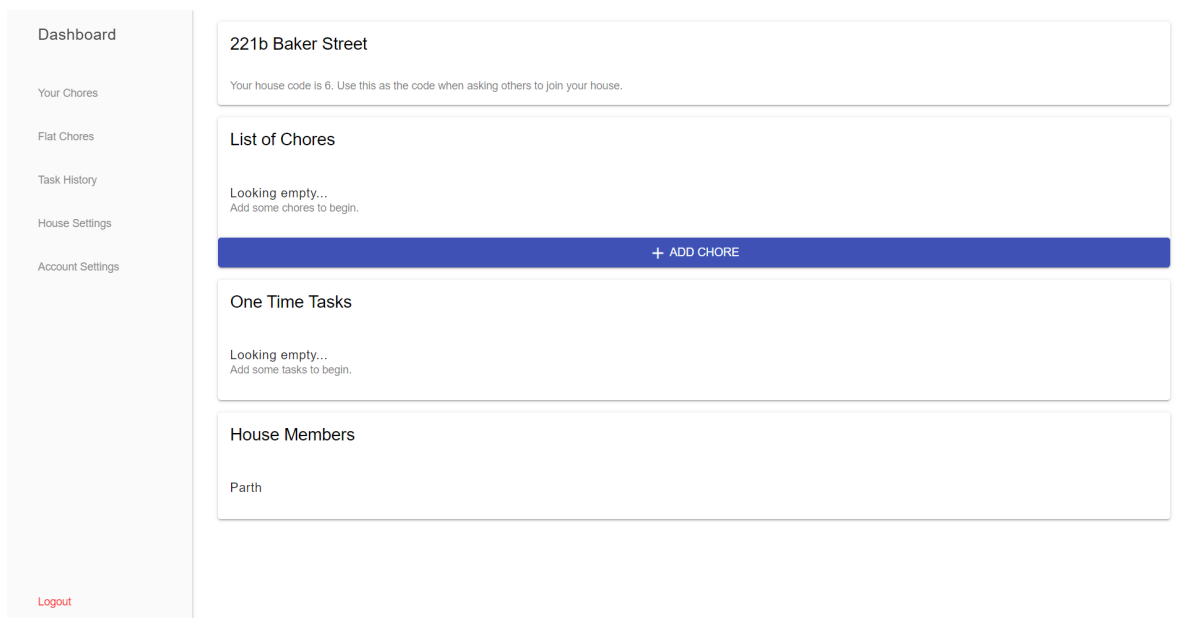
1 number

A length of at least 8

Once the user fills it in correctly, he will then finally meet his dashboard.



But I'll come back to this later, first we need to get his flatmate into the house. To do this we need to go into house settings and look at the code for the house, and send it to our friend:



Our house code is 6, so let's log out and join as our friend.

## Joining a house

Homework

You are not in a house

You are currently not in a house. Join one with all of your flat mates or create one and share the details with your flat.

Join a House

6

\*\*\*\*\*

JOIN

Create a House

Name of House

Password

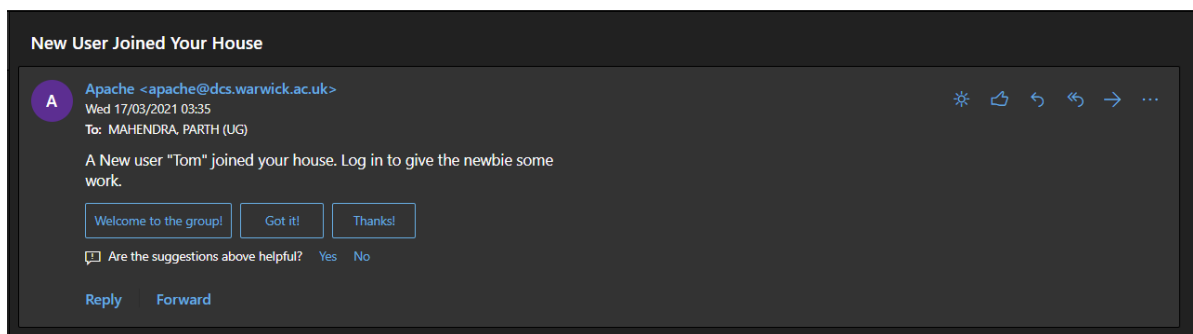
CREATE

Logout

We can use the code 6 we had from before and the same password as the one we used before and join the house.

## Security Notifications (extra feature)

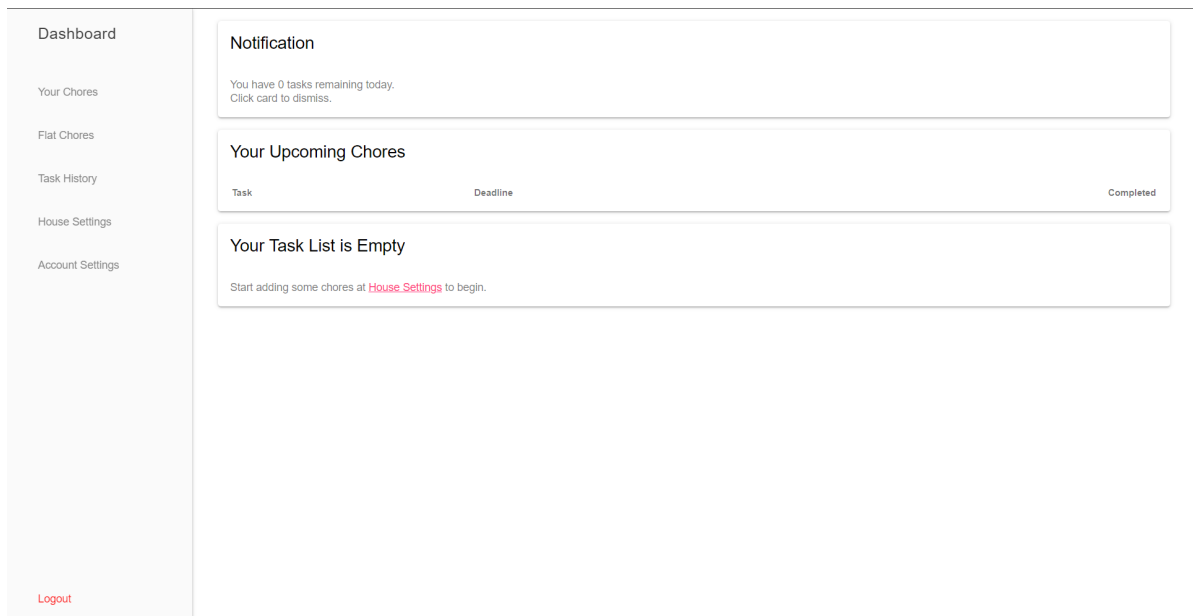
Immediately upon joining the house with another account, I got an email notification informing me that a new user has joined my house:



This notification goes to everyone in the house.

Now that we've got a basic house (of two), I can login to my account again and start looking at the chore aspect of the website.

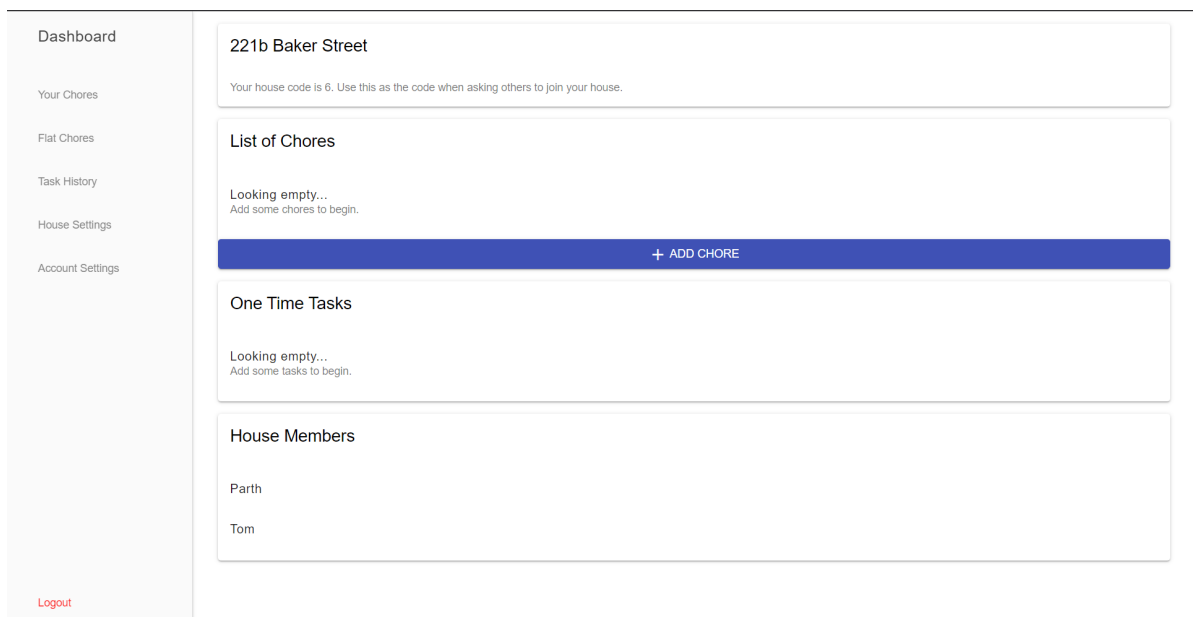




On a fresh start we obviously have no chores or work to do, so we should add some.

## House Settings

We saw the house setting page earlier because it contained the code needed to allow other users to join my house, but let's look at it in more detail



The house contains a card which shows its name, it also shows the list of chores and one time tasks (both empty) and the list of members in the house currently.

## Adding Chores

If we click add chore, a new card will slide out containing a form to add more chores:

Dashboard
Your Chores
Flat Chores
Task History
House Settings
Account Settings
Logout

Looking empty...  
Add some chores to begin.

✕ CANCEL

Add Chore
Chore Name
Chore Description
Daily
Weekly
Biweekly
One Time
First Date: dd/mm/yyyy
ADD CHORE

One Time Tasks
Looking empty...  
Add some tasks to begin.

We can then add a name and a description (optional), a frequency and the first date for the chore:

Dashboard
Your Chores
Flat Chores
Task History
House Settings
Account Settings
Logout

Looking empty...  
Add some chores to begin.

✕ CANCEL

Add Chore
Grocery shopping
At ASDA
Daily
Weekly
Biweekly
One Time
First Date: 18/03/2021
ADD CHORE

One Time Tasks
Looking empty...  
Add some tasks to begin.

And now if I click add chore, the list for chores will update (without reload, because of AJAX)

Dashboard
Your Chores
Flat Chores
Task History
House Settings
Account Settings
Logout

221b Baker Street

Your house code is 6. Use this as the code when asking others to join your house.

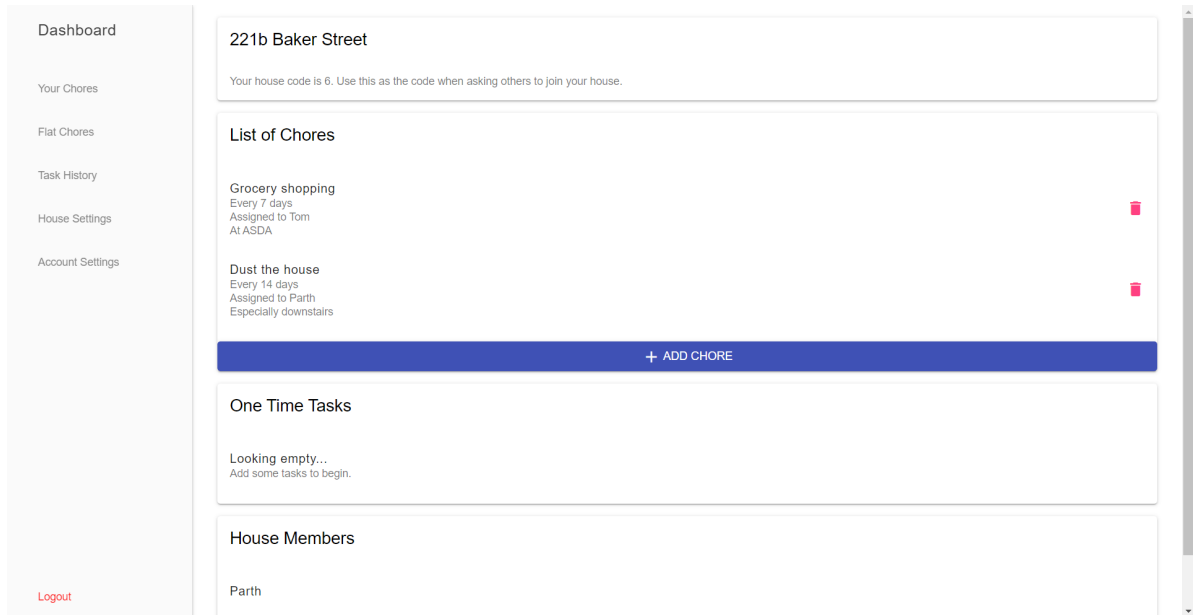
List of Chores
Grocery shopping
Every 7 days
Assigned to Tom
At ASDA
✕ CANCEL

Add Chore
Chore Name
Chore Description
Daily
Weekly
Biweekly
One Time
First Date: dd/mm/yyyy

## Splitting the Chores

In this case the chore seems to have gone to Tom, this means that Tom is now doing more work than me, and so appropriately, when I now add another chore, it will go to me.

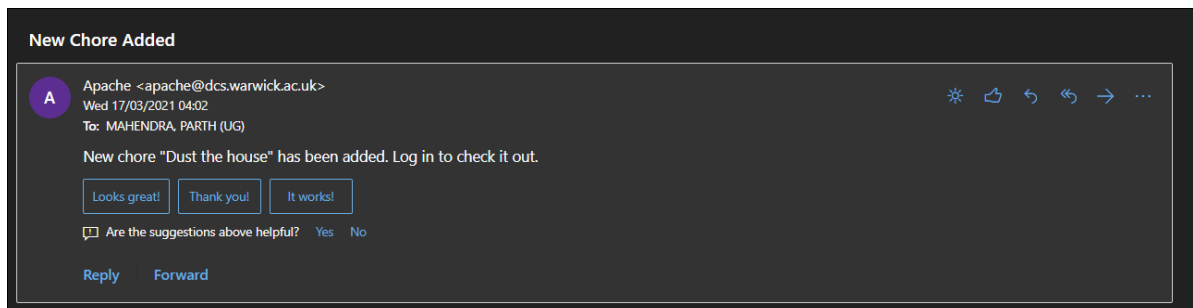
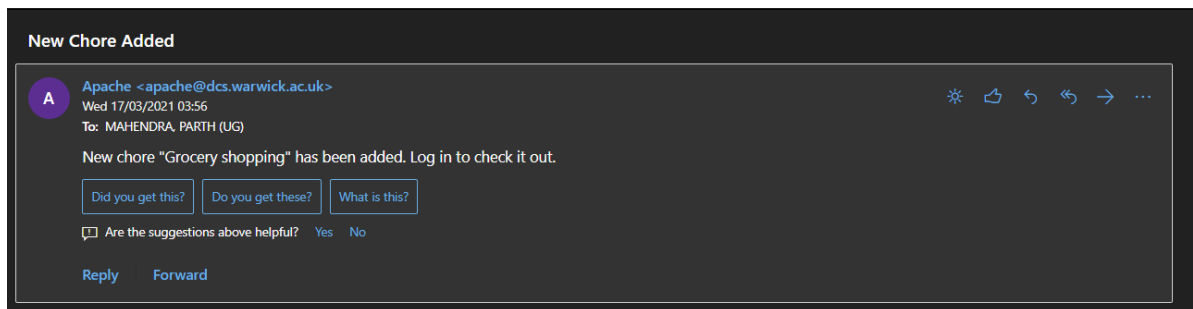
After adding another chore:



However, I am still more free than Tom, this is because Tom's chore is every 7 days while mine is every 14 days. This means that another chore that gets added will go to me.

## Chore Email Update (extra feature)

Since things round the house have changed and another chore got added, the users get an email notification of it when it does.



And Tom would get it too.

## One Time Tasks


One time tasks are like chores but get handled a bit differently because they are not recurring, regardless they are added in the exact same way a normal chore is added.

Add Chore

Clean the spill

Use the mop

☐ Daily  
☐ Weekly  
☐ Biweekly  
☒ One Time

First Date: 18/03/2021 

ADD CHORE

And similarly the page updates without reload:

Dashboard

Your Chores

Flat Chores

Task History

House Settings

Account Settings

Logout

221b Baker Street

Your house code is 6. Use this as the code when asking others to join your house.

List of Chores

Grocery shopping  
Every 7 days  
Assigned to Tom  
At ASDA

Dust the house  
Every 14 days  
Assigned to Parth  
Especially downstairs

+ ADD CHORE

One Time Tasks

Clean the spill  
Due on 2021-03-18  
Assigned to Parth  
Use the mop

House Members

Parth

And because I do work every 14 days and Tom does work every 7 days, the one time task got assigned to me (and the house also got email notification for it).

## My Tasks

Now that we've fleshed out the house settings page by adding more chores, let's look at my tasks.

Dashboard

Your Chores

Fiat Chores

Task History

House Settings

Account Settings

Logout

Notification

You have 1 tasks remaining today.  
Click card to dismiss.

Your Upcoming Chores

Task	Deadline	Completed
<a href="#">Dust the house</a>	Due Today on 2021-03-17	<input type="checkbox"/>
<a href="#">Clean the spill</a>	Due Tomorrow on 2021-03-18	<input type="checkbox"/>

The "your list is empty" message is now gone since I finally have some work. At the top is a dismissible notification telling me quickly how much work I've got just for today.

Just as a nicety, the notification updates without reload when I check off something or uncheck it.

Notification

You have 0 tasks remaining today.  
Click card to dismiss.

Your Upcoming Chores

Task	Deadline	Completed
<a href="#">Dust the house</a>	Due Today on 2021-03-17	<input checked="" type="checkbox"/>
<a href="#">Clean the spill</a>	Due Tomorrow on 2021-03-18	<input type="checkbox"/>

Notification

You have 1 tasks remaining today.  
Click card to dismiss.

Your Upcoming Chores

Task	Deadline	Completed
<a href="#">Dust the house</a>	Due Today on 2021-03-17	<input type="checkbox"/>
<a href="#">Clean the spill</a>	Due Tomorrow on 2021-03-18	<input type="checkbox"/>

## Viewing Chore Details

I can also click on a specific task to view its details:

Dashboard

Your Chores

Flat Chores

Task History

House Settings

Account Settings

Logout

Dust the house

Due on 2021-03-17

Especially downstairs

## Viewing Flat Tasks (extra feature)

I can also view the tasks for the entire flat to see who's done what.

Dashboard

Your Chores

Flat Chores

Task History

House Settings

Account Settings

Logout

The Flat's Chores

Task	Deadline	Member	Done
<a href="#">Dust the house</a>	Due Today on 2021-03-17	Parth	<input type="checkbox"/>
<a href="#">Grocery shopping</a>	Due Tomorrow on 2021-03-18	Tom	<input type="checkbox"/>
<a href="#">Clean the spill</a>	Due Tomorrow on 2021-03-18	Parth	<input type="checkbox"/>

So for example if Tom preemptively went shopping before his deadline, it will update here (viewing from my own account):

Dashboard	The Flat's Chores			
Your Chores	Task	Deadline	Member	Done
Flat Chores	<a href="#">Dust the house</a>	Due Today on 2021-03-17	Parth	<input type="checkbox"/>
Task History	<a href="#">Grocery shopping</a>	Due Tomorrow on 2021-03-18	Tom	<input checked="" type="checkbox"/>
House Settings	<a href="#">Clean the spill</a>	Due Tomorrow on 2021-03-18	Parth	<input type="checkbox"/>
Account Settings				
Logout				

## Task History and Accountability (extra feature)

Dashboard	Task History			
Your Chores	Task	Deadline	Member	Done
Flat Chores	<a href="#">Dust the house</a>	2021-03-17	Parth	<input type="checkbox"/>
Task History	<a href="#">Grocery shopping</a>	2021-03-18	Tom	<input checked="" type="checkbox"/>
House Settings	<a href="#">Clean the spill</a>	2021-03-18	Parth	<input type="checkbox"/>
Account Settings				
Logout				

You can also view task history, which is a bit useless in this example because the flat was just created now, but on a different example on my local computer:

Dashboard	The Flat's Chores			
Your Chores	Task	Deadline	Member	Done
Flat Chores	<a href="#">Shopping</a>	2021-03-16	TestAccount6	<input type="checkbox"/>
Task History	<a href="#">Clean the toilet</a>	2021-03-17	bRuh	<input type="checkbox"/>
House Settings	<a href="#">Clean the house</a>	2021-03-18	TestAccount5	<input type="checkbox"/>
Account Settings	<a href="#">Shopping</a>	2021-03-23	TestAccount6	<input type="checkbox"/>
Logout	<a href="#">Clean the toilet</a>	2021-03-24	bRuh	<input type="checkbox"/>

You can see the deadline for some of these is gone (it is the 17th at the time of that screenshot) so they won't show up on 'Your Chores' and there is no way for a user to mark them off, and everyone can see that you've missed it. This is done to ensure accountability.

## Deleting Chores and Tasks (extra feature)

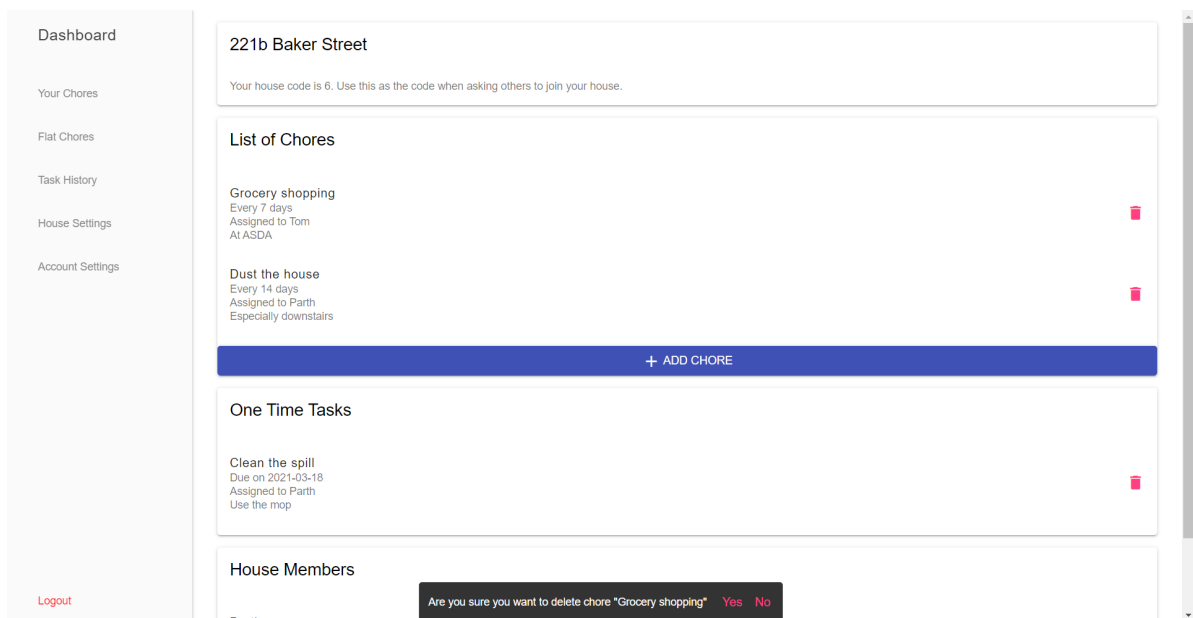
I wasn't very sure if it was an extra feature, the guide makes no mention of deleting chores so I believe it is one.

Previously when we were looking at the house settings, we added some chores, let's say we've changed our mind and want to get rid of them, particularly the grocery shopping one:

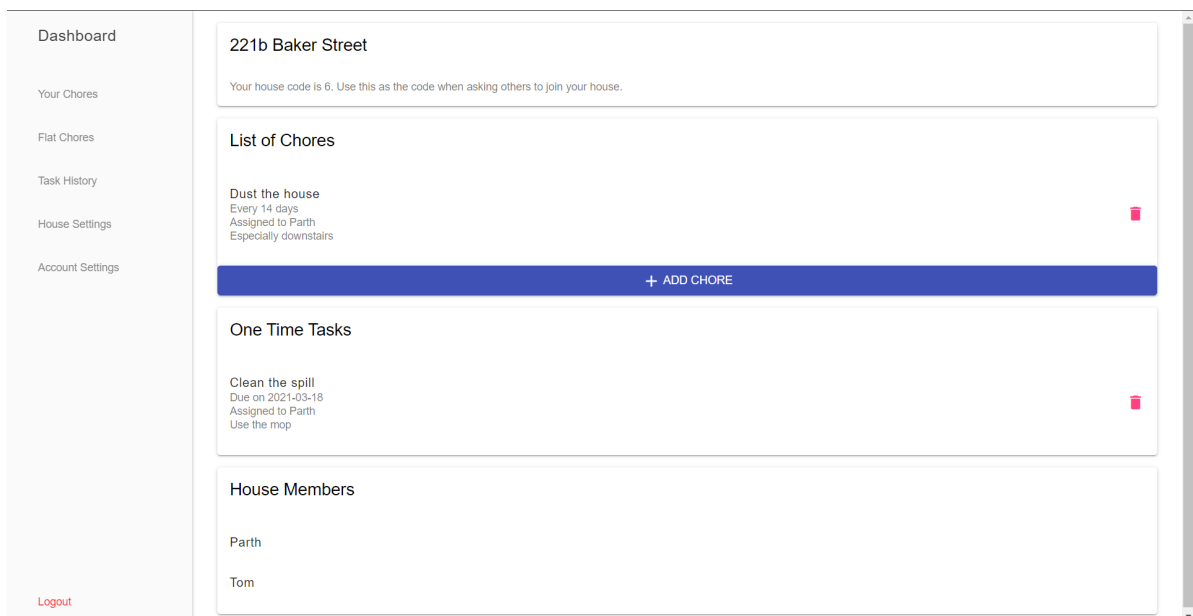
Dashboard	221b Baker Street		
Your Chores	Your house code is 6. Use this as the code when asking others to join your house.		
Flat Chores	List of Chores		
Task History	Grocery shopping Every 7 days Assigned to Tom At ASDA		
House Settings	Dust the house Every 14 days Assigned to Parth Especially downstairs		
Account Settings	+ ADD CHORE		
Logout	One Time Tasks		
	Clean the spill Due on 2021-03-18 Assigned to Parth Use the mop		
	House Members		

If I click the delete button, I will get a popup confirming whether or not I really want to do this:

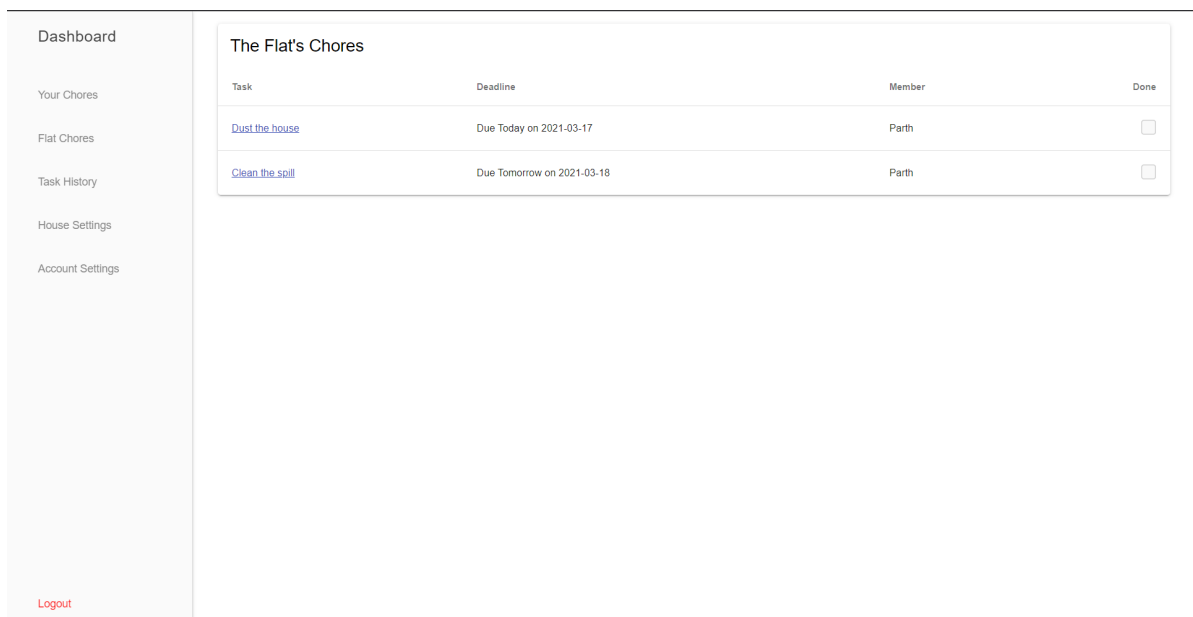




If I click yes, the chore will disappear without a reload:



And if I go to check the flat chores, the entry is now gone:



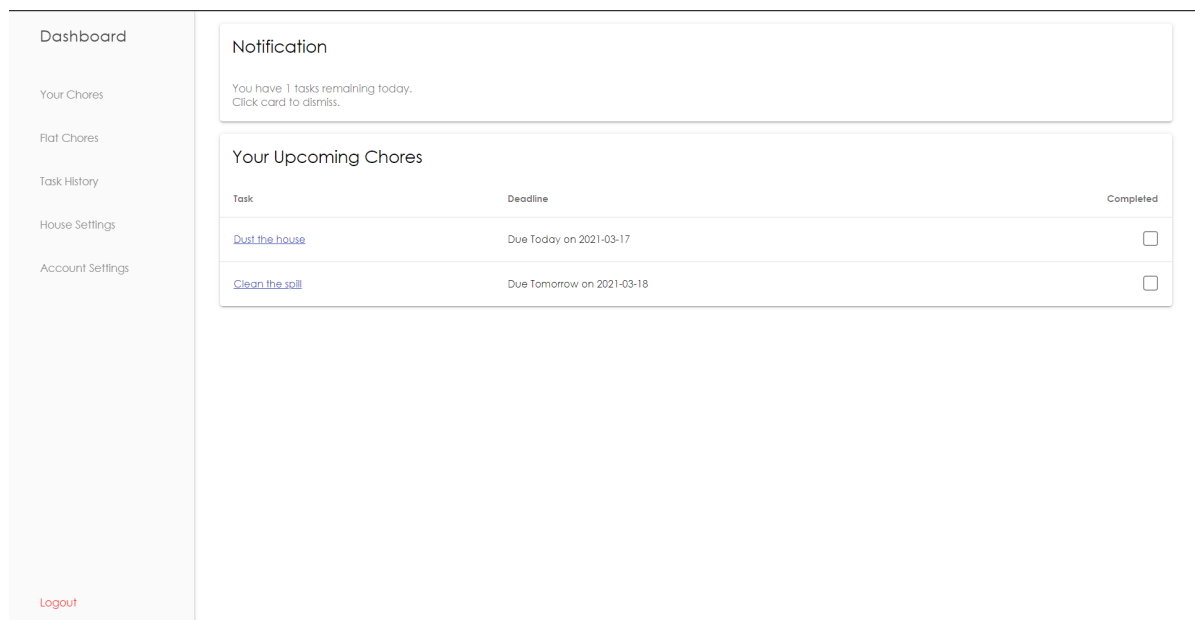
## Account Settings and Accessibility Settings (extra feature)

<div>Dashboard</div> <div>Your Chores</div> <div>Flat Chores</div> <div>Task History</div> <div>House Settings</div> <div>Account Settings</div> <div>Logout</div>	<div>Settings for Parth</div> <div>Your email is: <a href="mailto:parth.mahendra@warwick.ac.uk">parth.mahendra@warwick.ac.uk</a></div> <div><input type="checkbox"/> Dyslexia Friendly Mode</div>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

This is fairly basic and just contains a setting that changes the global font of the site to a font face that is more readable for dyslexic people. Flicking it on will enable it both globally and across multiple sessions:

<div>Dashboard</div> <div>Your Chores</div> <div>Flat Chores</div> <div>Task History</div> <div>House Settings</div> <div>Account Settings</div> <div>Logout</div>	<div>Settings for Parth</div> <div>Your email is: <a href="mailto:parth.mahendra@warwick.ac.uk">parth.mahendra@warwick.ac.uk</a></div> <div><input checked="" type="checkbox"/> Dyslexia Friendly Mode</div>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<div>Dashboard</div> <div>Your Chores</div> <div>Flat Chores</div> <div>Task History</div> <div>House Settings</div> <div>Account Settings</div> <div>Logout</div>	<div>221b Baker Street</div> <div>Your house code is 6. Use this as the code when asking others to join your house.</div> <div>List of Chores</div> <div><div>Dust the house</div><div>Every 14 days</div><div>Assigned to Parth</div><div>Especially downstairs</div><div></div></div> <div>+ ADD CHORE</div> <div>One Time Tasks</div> <div><div>Clean the spill</div><div>Due on 2021-03-18</div><div>Assigned to Parth</div><div>Use the mop</div><div></div></div> <div>House Members</div> <div><div>Parth</div><div>Tom</div></div>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



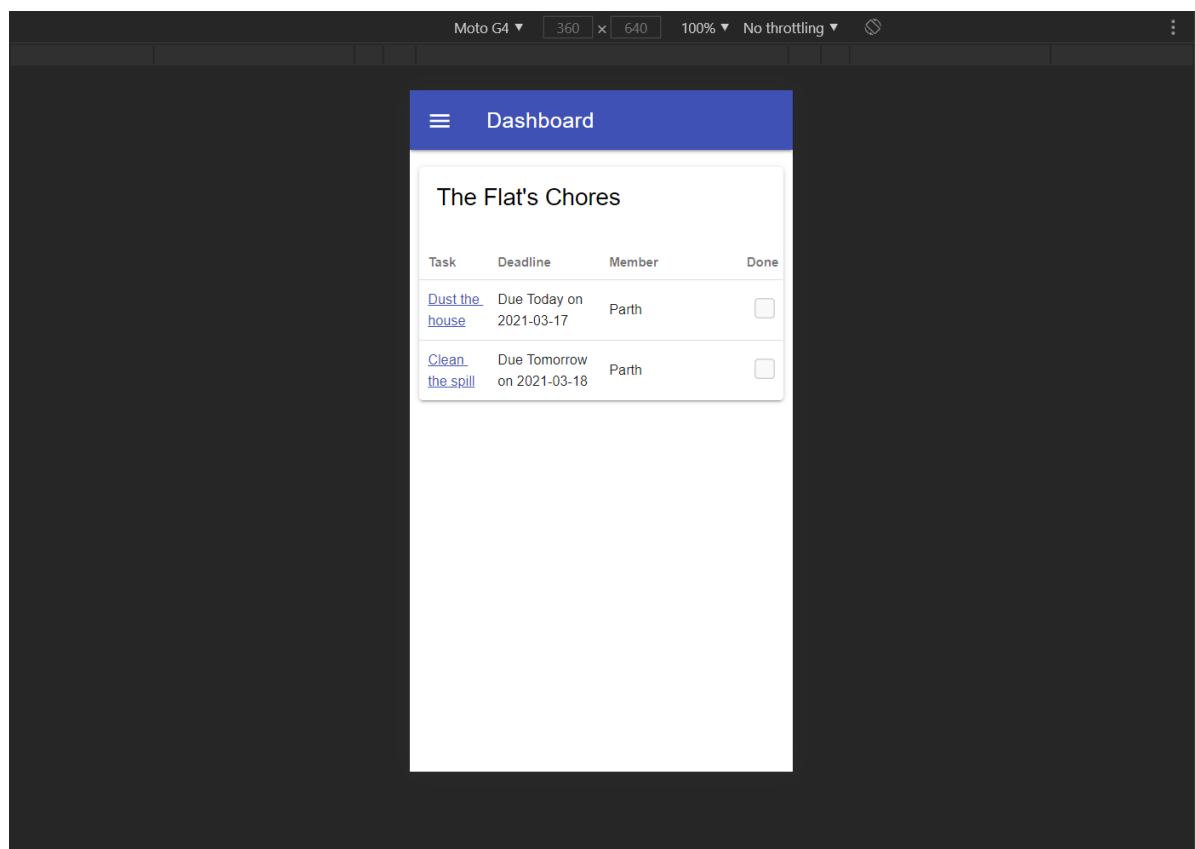
And so on for all pages on the website.

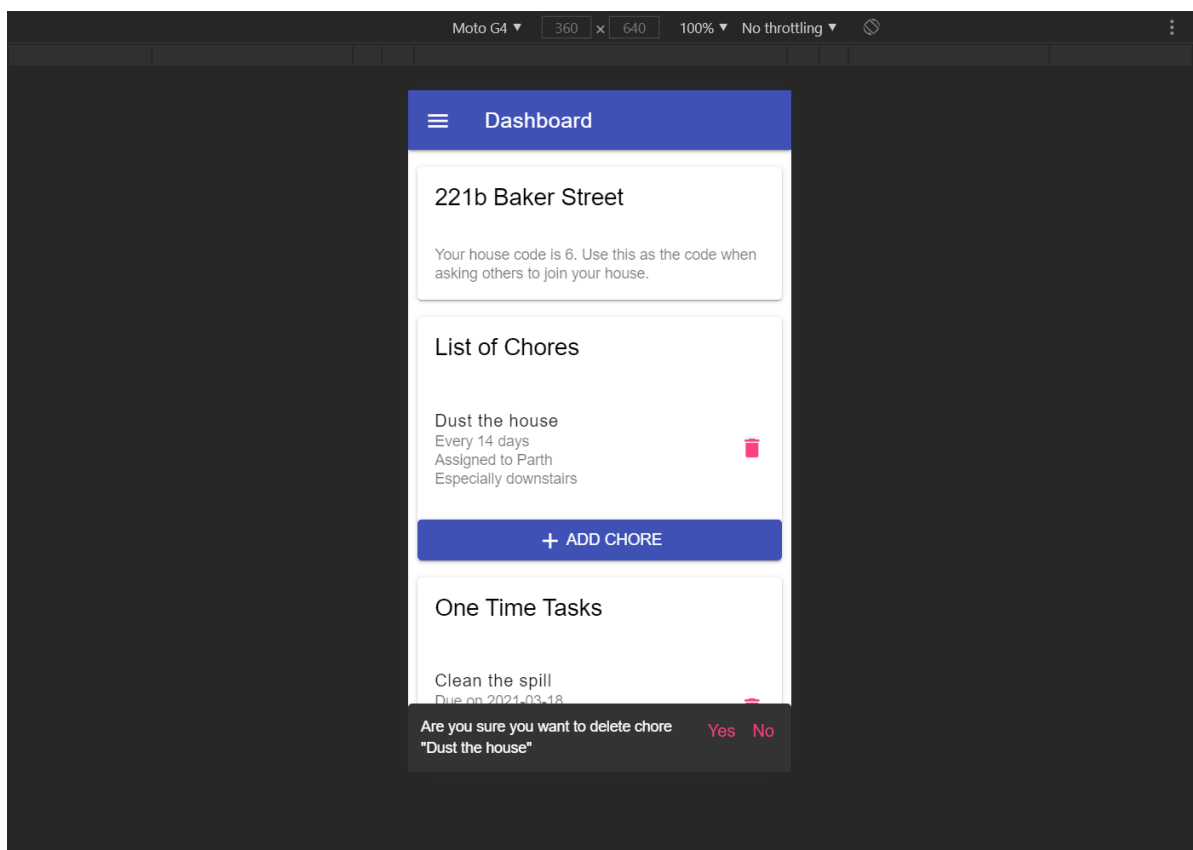
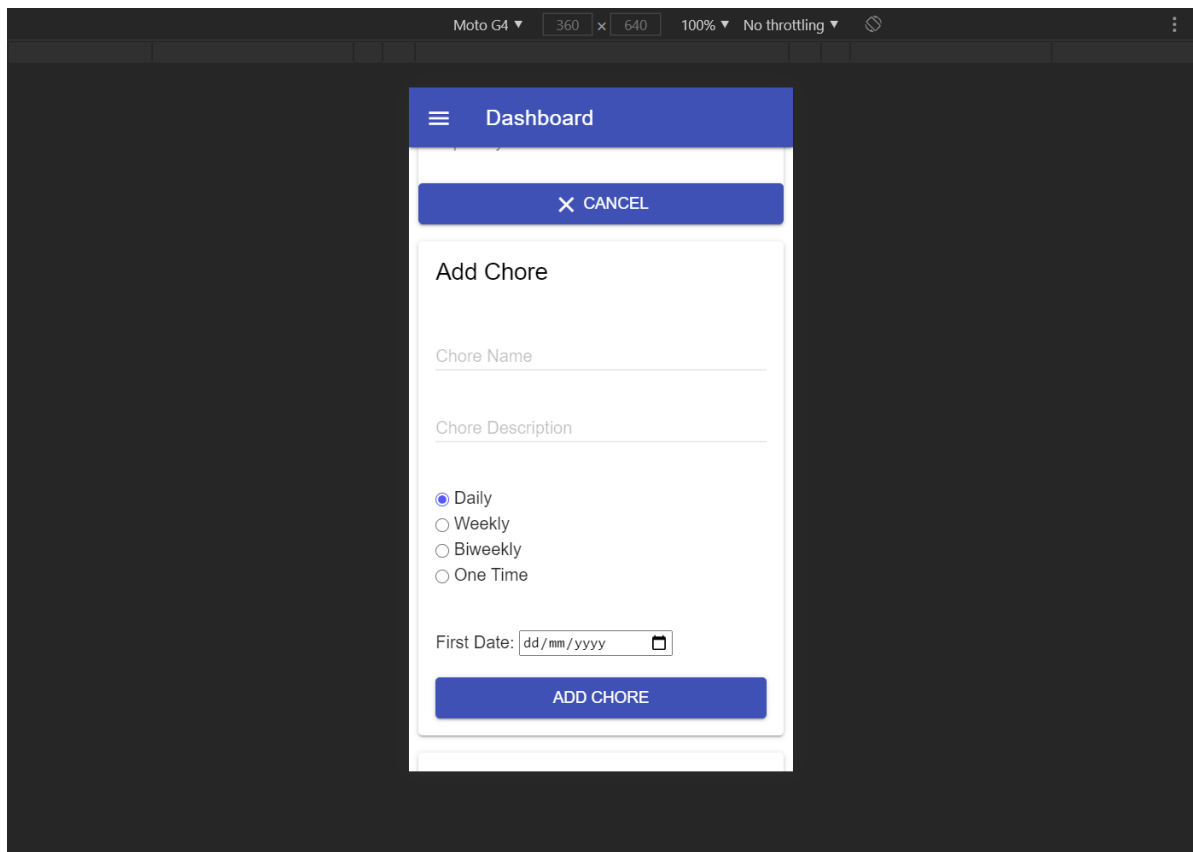
Additionally, in general all components meet the contrast requirements to ensure visibility and additionally components usually have a name that allows them to be read using TTS software.

## Mobile Support

This moves me onto my final point, the website is completely useable (and probably looks better) on mobile.

Some samples:





## References

The additional feature of mobile support (the side drawer in particular) used the library at <https://getmdl.io/>, but my core functionality uses components made by me designed (painfully) to match with the style of the drawer.

