

s3537901 2017-02-28 07:01 has joined #general



s3600396 2017-02-28 07:04 has joined #general



s3601725 2017-02-28 07:07 has joined #general

- :) s
 - **s3604367** 2017-02-28 11:10 has joined #general
- s3604367 2017-02-28 11:29 Hi all
- s3604367 2017-02-28 12:19 I've just added the template for Trello
- s3604367 2017-02-28 12:22 added an integration to this channel: https://sept-lcjj.slack.com/services/B4BFQAA2H



s3604367 2017-02-28 12:28

@s3604367 set the channel purpose: This channel is for team-wide communication and announcements. All team members are in this channel.

s3604367 2017-02-28 12:31 removed an integration from this channel: https://sept-lcij.slack.com/services/B4BFQAA2H



s3604367 2017-02-28 12:36

Okay, I got Github (needs repo link) and Trello integration with Slack. Github integration on Trello also requires a repo link.



s3600396 2017-02-28 12:45

.... can we bracket names into our usernames? cos this is annoying idk your student ids



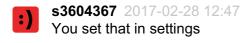
s3600396 2017-02-28 12:47

everyone get a profile pic cos i dont think u can change ur username. I shotgun using jesus as my profile pic

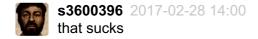


s3604367 2017-02-28 12:47

http://stackoverflow.com/questions/28676437/slack-show-fullname-of-user-instead-of-username







s3600396 2017-02-28 14:00 i still want this dp doe

s3600396 2017-02-28 14:01 btw i dont think u added me to trello yet

:)

s3604367 2017-02-28 14:06

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4APRR6HX/pasted_image_at_2017_03_01_01_06_am.png and

commented: You should be added s3600396

- s3604367 2017-02-28 14:12 Okay deciding on hosting a web server
- s3604367 2017-02-28 14:13 VPS or Cloud Servers?
- s3604367 2017-02-28 14:13
 Going to use that hosting for other stuff too
- s3604367 2017-02-28 14:13
 Couldnt get my dedicated server for security reasons

s3600396 2017-02-28 14:36 cloud

- s3604367 2017-02-28 14:46 Got VPS hosting
- s3604367 2017-02-28 14:46 :slightly_smiling_face:
- s3604367 2017-02-28 14:48

 More details soon, I gotta sleep now c u later today
- s3604367 2017-03-01 04:57
 Any update on the scrum meeting Jarry?
- **s3600396** 2017-03-01 09:11 uploading to trello nwo



Sweet. Make sure you do the github aswell

s3604367 2017-03-01 09:12 VPS is now online

s3604367 2017-03-01 09:12 For me though, I gotta configure a

For me though, I gotta configure and install apache and such

96

s3600396 2017-03-01 09:12 alright i'll push this as my test push then

s3604367 2017-03-01 09:13 I need a link and invite to the repo

s3601725 2017-03-01 09:13 Alright sounds good

s3600396 2017-03-01 09:13 ummm wat is the github repo?

s3601725 2017-03-01 09:14

Im not sure if I can add you guys. Lachy might have to. Hang on

s3601725 2017-03-01 09:15 Yeah I don't think I can

s3604367 2017-03-01 09:16 All good I can wait

s3604367 2017-03-01 09:17
This will be the Php framework we'll be using https://laravel.com/

s3601725 2017-03-01 09:17
Alright cool. Ill start reading into it

:)

s3604367 2017-03-01 09:17

I have a subscription for tuts at https://laracasts.com/ lemmie know if you want to use the account

s3604367 2017-03-01 09:18
And Php Unit for testing
https://phpunit.de/



Can't seem to add github to slack I need the git repo to allow read and write permissions to integrate it with slack



s3601725 2017-03-05 13:03

Lachy might have to do it then. He made the repo



s3604367 2017-03-06 04:58

https://youtu.be/pFbVxXOvQ8I this is a good resource to follow for managing Agile Trello boards @s3600396 I would urge you to try watch this video

s3604367 2017-03-06 04:59
I've re-organised the board referring to the video



s3537901 2017-03-06 04:59

You guys might have to show me how to do the GitHub slack integration

s3604367 2017-03-06 04:59 Sure I'll show you in lecture

s3604367 2017-03-07 02:04
Template for Agile with Trello https://trello.com/b/6otslC4i/template-board-agile-with-trello



s3537901 2017-03-07 20:04

Should the user stories have their own card folder thing? So we don't fill up the sprint backlog with cards?

s3604367 2017-03-07 20:58

There shouldn't be too many cards for our user stories

s3604367 2017-03-07 20:59
The product backlog can be as big as it can get

s3604367 2017-03-07 21:02
The sprint backlog is what tasks should be prioritised on that sprint week



s3537901 2017-03-07 21:04

Ah ok, I have put a few user stories up on the sprint but they need some acceptance criteria yet



s3604367 2017-03-07 21:31

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4FNHAZJA/image_uploaded_from_ios.jpg



s3537901 2017-03-07 21:32

Is that the sort of thing we should be doing?



s3604367 2017-03-07 21:32

When you're making user stories, you put them in the Product Backlog or Sprint Backlog (if you intend to work on it during the sprint)



s3537901 2017-03-07 21:33

Oh I thought the sprint was for what we are working on in that sprint



s3604367 2017-03-07 21:34

What you did was pit them in the sprint list meaning they've been completed during that sprint week

:)

s3604367 2017-03-07 21:34 Put*



s3604367 2017-03-07 21:37

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4F56Q3E1/image_uploaded_from_ios.jpg



s3604367 2017-03-07 21:39

I've moved the cards to the Product Backlog, if you intend to work on it this week then drag it to the Sprint Backlog



s3604367 2017-03-07 21:43

Have you referred to the scenario in the assignment spec for your user stories?



s3604367 2017-03-07 21:44

Was Craig meant to do user stories or Lach?



s3537901 2017-03-07 22:02

Both of us are working on it since the user stories are needed before I can get an idea for the UI mock-up and I need something to do this week for progress marks



s3537901 2017-03-07 22:02

And the stories so far are based on the scenario and functional requirements



s3604367 2017-03-07 22:04

Okay IIII abaak if wara missina

anything

s3604367 2017-03-08 03:40

@s3537901 Make sure you drag the cards you're working on to the In Progress list

s3601725 2017-03-09 06:33

Sorry I was supposed to do user stories last night but I got called in to work. Ill get them done tonight

s3604367 2017-03-09 07:10

No problem, we also need to get those test cases out to Homy

s3604367 2017-03-09 07:59
Okay I've just asked Homy and CC'ed all of you on the email

:)

s3604367 2017-03-09 08:01

s3601725 Your main task for user stories is to complete the acceptance criteria for each story, since Lach completed the stories

s3601725 2017-03-09 08:01 Yeah no problem, I can do that

s3601725 2017-03-09 08:02

I probably wont do the testing scripts til the weekend. I'm pretty busy for the next two days

s3604367 2017-03-09 08:02 No problem I can take over

s3601725 2017-03-09 08:03
I got it, its alright. Just don't expect them in the next two

days s3604367 2017-03-09 08:04

I don't mind doing part of it since I will be developing functions anyway

s3601725 2017-03-09 08:06 Nah its fine. You don't need to do everything mate haha

s3604367 2017-03-09 08:08
Alright, if anything please do let me know. I have only this whole day to work on SEPT :+1:

s3601725 2017-03-09 08:17 Haha no problem



s3604367 2017-03-09 08:57

@s3600396 you still need to complete the minutes for this

Tuesday



s3537901 2017-03-09 09:01

We still need a few more user stories, should I finish of the rest? Since craig has work?



s3601725 2017-03-09 09:02

I'm gonna home soon. I'll do them,

relax



s3600396 2017-03-09 09:04

keep forgetting to upload



s3600396 2017-03-09 09:04

have a look at it now



s3600396 2017-03-09 09:04 lachie



s3600396 2017-03-09 09:04

send me urs



s3600396 2017-03-09 09:04

i'll do them as use cases



s3537901 2017-03-09 09:17

They are all on the trello backlog



s3600396 2017-03-09 09:19

:+1:



s3604367 2017-03-09 09:54

That's alright, just remember to move the cards around and assign them yourself if you're working on it



s3604367 2017-03-09 09:54

:ok_hand::skin-tone-2:



s3601725 2017-03-09 12:52

Hey guys I finished the user stories but I don't have time right now (gotta wake up early) to put them up on trello in the format Johnny made. I'll just attach a pdf here so you can see them and I'll do it tommorow



s3601725 2017-03-09 12:52

@s3601725 uploaded a file: https://sept-lcjj.slack.com/files/s3601725/F4G0N13L4/a1_-

user stories.pdf



s3601725 2017-03-09 12:53

Let me know if you want any changes made or anything



s3604367 2017-03-10 13:09

We need to organise another scrum meeting before Tuesday



s3601725 2017-03-11 01:13

Thats going to be difficult considering we don't have uni Monday



s3604367 2017-03-11 11:47

Idea would be to have it before the



s3601725 2017-03-11 12:31

Well its 2 and a half hours travel time both ways for me (longer for lachy). So I'd REALLY prefer not to cone in Monday for a 5 minute meeting if it is possible



s3537901 2017-03-11 12:32

I will be unavailable Monday since I am away up the country in Marybough for the public holiday but you should still be able to reach me providing that there is enough signal up there for any queries. Also yeah travel is a real pain for a short meeting. Perhaps just for this week we set the scrum meeting for after Tuesday?



s3601725 2017-03-11 12:34

If we could do it over skype or something for this one that'd be much easier



s3604367 2017-03-11 12:39

Tuesday on the day before the tut is okay



s3604367 2017-03-11 12:39





s3537901 2017-03-11 12:56

But our second scrum meeting is during the tute? Having two meetings on the same day defeats the purpose of having two meetings



s3604367 2017-03-11 15:31

We'll do it over skype



s3604367 2017-03-11 15:33

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4H1CN082/pasted image at 2017 03 12 02 33 am.png

- **s3604367** 2017-03-11 15:34 Or we can use the http://appear.in link from the Trello board
- s3604367 2017-03-11 15:34 I've just enabled the power up for the board

s3601725 2017-03-11 23:12 Ok cool. Let us know when you want to do it

- **s3604367** 2017-03-12 01:34 We will schedule a time on Monday afternoon towards the night
- **s3601725** 2017-03-12 01:45 Ok sounds good
- **s3600396** 2017-03-12 09:58 im down
- **s3600396** 2017-03-12 09:58 for either
- **s3604367** 2017-03-13 03:51 I'm ready for a meeting at 4midnight
- **s3604367** 2017-03-13 03:51 today
- **s3601725** 2017-03-13 03:51 Yeah I'm cool with that

s3537901 2017-03-13 04:08

Don't really have much signal, struggling even to send messages, might have to sit this one out and just catch up tomorrow

- **s3600396** 2017-03-13 04:16 When u getting back?
- **s3604367** 2017-03-13 04:17 No owrries
- **s3604367** 2017-03-13 04:17 Jarry are you down?
- **s3604367** 2017-03-13 04:17 how about Craig?
- **s3601725** 2017-03-13 04:17 Yeah I'm cool





I'm a little stuck with the php unit stuff, its really hard to do. So I needed to talk to you guys about that (not so much the actual code, just what to write them for)

s3604367 2017-03-13 04:18
Sure we can speak about it on the meeting

s3601725 2017-03-13 04:19 Alright cool

s3600396 2017-03-13 04:20 can we have the meeting at like 8?

s3600396 2017-03-13 04:20 going out to family friends house at 4

s3601725 2017-03-13 04:21 Fine by me

s3604367 2017-03-13 05:30 No worries

s3601725 2017-03-13 09:01
I'm on trello http://appear.in whenever you guys are ready

s3604367 2017-03-13 09:42 My bad 40 mins late

s3604367 2017-03-13 10:47
I looked at the assignment spec, it says we need a class diagram for final submission

s3601725 2017-03-13 11:01

Yeah we'll basically draft that tommorow and we'll do a final one later on

\$3604367 2017-03-14 07:52 https://laracasts.com/

\$3604367 2017-03-14 07:53 :Tuesday17 (email:password)

s3604367 2017-03-14 07:53 https://laracasts.com/series/laravel-from-scratch-2017

s3604367 2017-03-14 07:54
Watch that chapter first to understand the framework

s3601725 2017-03-14 07:54 Sweet. Thanks mate

- s3604367 2017-03-14 07:54
 Feel free to watch anything else there if you're curious
- s3537901 2017-03-14 08:52
 Thanks man this should be useful for starting code this week
- s3604367 2017-03-14 10:32
 I strongly encourage you guys to watch the whole chapter
- s3604367 2017-03-14 10:33 Especially @s3600396
- s3604367 2017-03-14 10:34
 And do some local development from a 'dev' branch on github



s3604367 2017-03-14 10:56

I will plan to add classes onto the dev branch and comment functionality where you guys can add



s3537901 2017-03-14 11:03

Just assign whatever you want done and I'll pick it up since I don't really have an area of expertise here



s3604367 2017-03-14 11:31

@s3601725 @s3600396 https://laracasts.com/series/laravel-from-scratch-2017/episodes/22 Explains PHPUnit testing in Laravel

- **\$3604367** 2017-03-14 11:54 @s3537901 Can you verify the user stories again?
- s3604367 2017-03-14 11:54
 And iterate a bit more in the acceptance tests
- s3604367 2017-03-14 11:55
 It's going to be the basis of our tasks
- s3604367 2017-03-14 11:55
 I will put the ones that need verification in the list
- **\$3604367** 2017-03-14 12:29 @\$3600396 I've given you a few user stories to check

- **s3604367** 2017-03-14 15:00 http://johmodding.com/database
- **s3604367** 2017-03-14 15:00 student:Tuesday17

s3604367 2017-03-14 15:00

You would mainly use phpmyadmin as a debug tool since Laravel uses its own CLI to create tables

s3604367 2017-03-15 12:15 I still need you guys to clear out and add more detail to the user stories

:)

s3604367 2017-03-15 13:16

Okay, I've just completed writing out the readme for Git. It has all the instructions on how to develop on the project.

- **s3604367** 2017-03-15 13:16 https://github.com/rmit-s3604367-johnny-huynh/SE-PT-Assignment
- **s3604367** 2017-03-15 13:38 Going to add classes tomorrow
- **s3604367** 2017-03-15 13:38 Well today in this instance
- S3604367 ZUTY-00-10 ISLE Correction :Tuesday17 is the Laracasts **s3604367** 2017-03-16 13:27 account



s3601725 2017-03-18 22:50

Hey guys I might be a bit late on finishing my part. My internet has been down for the last 3 days. I'm doing as much as I can locally but its a real pain in the ass

- **s3604367** 2017-03-18 23:33 That's okay
- s3604367 2017-03-18 23:33 Can we do a meeting tonight?



s3601725 2017-03-18 23:38 Well I dont have internet, so I dont know how ill be able to attend





But im going to uni right now and im gonna download all the laravel tutorials and documentation so I should be able to do everything I need offline

- s3604367 2017-03-18 23:41 Alright
- s3604367 2017-03-18 23:42 I'm going to work on the interface tonight
- s3604367 2017-03-18 23:42 and get login and reg working
- s3604367 2017-03-18 23:42
 By then we'll need to finish at least one user story
- s3604367 2017-03-18 23:42
 And we can get some unit testing on the way



s3601725 2017-03-18 23:47

Yeah I'll set up the unit testing and the rest of the model classes and their sql migration templates and we should be good



s3601725 2017-03-19 03:59

Got my internet working again so if you want to do a meeting or whatever I'm all good (on a side note FUCK TELSTRA)

- s3604367 2017-03-19 07:33 Okay 8-9 tonight?
- s3604367 2017-03-19 07:33
 We'll do another one tomorrow at the lecture
- **\$3604367** 2017-03-19 08:31 Meeting at 9
- **\$3604367** 2017-03-19 08:51

 We can push the meeting untill 9:30 10 gotta have dinner



s3601725 2017-03-19 09:09 ok sure



s3537901 2017-03-19 09:13

s3604367 2017-03-19 09:15

Are we meant to have two meetings each week?



s3601725 2017-03-19 09:15

yes, including the one in class



s3601725 2017-03-19 09:15

Only one is required outside the

clas



s3537901 2017-03-19 09:15

yes we usually have one in class and one on monday after the lecture

s3604367 2017-03-19 09:16 Okay then it we can do on one Monday

\$3604367 2017-03-19 09:16 That sounds better



s3537901 2017-03-19 09:16

But if there is something specific you want to mention we can do a short meeting tonight



s3601725 2017-03-19 09:16

I'd prefer it aswell, I'm still working on my stuff and it won't be done in time for the meeting. But it will be tommorow



s3601725 2017-03-19 09:16

It will only mean I have to stay up later if we do

haha



s3604367 2017-03-19 09:16

No problem



s3537901 2017-03-19 09:17

Is there some tasks or code i should be working on? I feel like I haven't really done all that much outside of user stories and wireframes (that are now obsolete)



s3604367 2017-03-19 09:17

Just about ot push the ui up for login and register so it just needs functionallity



s3601725 2017-03-19 09:18

I'm almost finished the SQL migrations and template models if you want to help with tests



s3604367 2017-03-19 09:18

You guys can work on the login and registration



s3601725 2017-03-19 09:19

Actually yeah do the login/registration. We need functional elements for the tute



s3601725 2017-03-19 09:19

I can do the testing



s3537901 2017-03-19 09:19

I can do that, Craig has the database set up so it will give me something to show



s3601725 2017-03-19 09:19

No, thats what the migrations do. I'm almost

there

s3604367 2017-03-19 09:19 Okay pushing the ui now



s3537901 2017-03-19 09:19

Has homie given us the TDD examples we need to follow?

s3604367 2017-03-19 09:19 You know how to run it?

s3604367 2017-03-19 09:19 Not yet

s3604367 2017-03-19 09:19
I think we should just document as we go



s3537901 2017-03-19 09:20

Database/migration its all very similar



s3601725 2017-03-19 09:20

Don't need them, the laracasts video on it was actually VERY good



s3537901 2017-03-19 09:20

yes I got about half way through the other day it looks relatively straight forward with a bit of help from the videos



s3601725 2017-03-19 09:21

Yeah, I've already written the migrate files actually they just won't seem to push to the database

when I run "php artisan migrate", trying to figure out why

- s3604367 2017-03-19 09:21 Okay latest build is on the dev branch
- s3604367 2017-03-19 09:22
 Yeah so if you read the git readme i made I have some troubleshooting methods to fix it
- s3604367 2017-03-19 09:22

 Might be because your .env file is not set to the local database file thats in repo
- s3604367 2017-03-19 09:23
 Since we're using SQLite for local dev and MySQL for production (our VPS)
- s3601725 2017-03-19 09:23

 No it is, It pushes the default users table. Just not the tables I actually created
- **s3601725** 2017-03-19 09:23 Nah I'm using mysql for local aswell
- s3604367 2017-03-19 09:23 Try php artisan migrate:refresh
- s3601725 2017-03-19 09:23
 I did, said theres nothing for it to rollback to
- s3604367 2017-03-19 09:23
 Yeah you can use either, it's just SQLite is set there for you in case
- s3601725 2017-03-19 09:23
 Ok cool, just change the .env then you're good anyway
- s3604367 2017-03-19 09:24
 Yeah just do some research I only know to an extent
- **s3601725** 2017-03-19 09:24 Yeah, I'm looking into it
- s3604367 2017-03-19 09:25
 Okay, if you host the dev branch urls /register and /login now have the UI for it
- s3604367 2017-03-19 09:25 localhost:8000/register etc.

Con we just slame the rope t

Can we just clone the repo to use laravel or do we need to install it locally to use it?

\$3604367 2017-03-19 09:25 Clone is and follow the readme

s3604367 2017-03-19 09:25 it*

s3604367 2017-03-19 09:26
I should cover most of the instructions, either that or ask one of

\$3601725 2017-03-19 09:26

I'm running it on linux so I had to do some trickery, but its pretty easy to do

s3604367 2017-03-19 09:26 Yeah I'm running on OSX and it's different

s3604367 2017-03-19 09:26 to Windows

s3537901 2017-03-19 09:26

yeah the readme says dev server but i suppose that holds true if you are locally hosting until we push the main branch

s3601725 2017-03-19 09:26

Yeah, theres a .env file where you just change where the database is

s3604367 2017-03-19 09:27
Yeah so you clone the dev branch and work on it then

s3604367 2017-03-19 09:27

Make pull requests to merge to master for the VPS

s3604367 2017-03-19 09:30
Okay you can pull for the latest build now

s3537901 2017-03-19 09:31
Ill get on to it in a minute, having dinner now



s3601725 2017-03-19 09:32

I'm just gonna mute this chat while I'm working on this, I don't want to be up all night. Text me if



s3601725 2017-03-19 09:32 🔰 0407 201 893 if you don't have my number

s3604367 2017-03-19 09:32

No worries <4

s3604367 2017-03-19 09:32

:heart:



s3537901 2017-03-19 10:01

@s3537901 uploaded a file: https://sept-

lcjj.slack.com/files/s3537901/F4KNGSARE/pasted image at 2017 03 19 09 01 pm.png



s3600396 2017-03-19 10:04 im gonna start doing the user reg

tonight

s3604367 2017-03-19 10:18

Alright you'll probably need the Laracasts videos for reference

s3600396 2017-03-19 10:18

yea im gonna start watching them

now

s3604367 2017-03-19 10:21

Would suggest to make a new branch for any new features in

future

s3604367 2017-03-19 10:22

You'll working on login and reg, let us know if you need

help

s3604367 2017-03-19 11:56

@s3537901 Are you working on the view bookings

page?



s3537901 2017-03-19 12:06

I thought s3600396 was working on registration and I was working on login? Would you rather have the bookings page done?



s3600396 2017-03-19 12:09

s3604367 2017-03-19 12:11

We need both tasks done



s3604367 2017-03-19 12:12

If you look at the recent email they sent us, we need login/registration completed and one completed user story not relating to login/registration

- s3604367 2017-03-19 12:13

 My idea that it would be the view my bookings view since it
- s3604367 2017-03-19 12:13 's an easy task
- **\$3604367** 2017-03-19 12:13 https://trello.com/c/ocsxs83M/46-expected-this-week
- s3604367 2017-03-19 12:13 We also need test cases for it
- s3604367 2017-03-19 12:15

 Just found out we're missing a user story for customers viewing their bookings
- s3601725 2017-03-19 12:15

 Test cases are almost done, but I want to go to bed. So I'll go in early and finish em
- s3601725 2017-03-19 12:15
 And we aren't, its in the sprint backlog
- s3604367 2017-03-19 12:16 That's for the business owner
- s3604367 2017-03-19 12:16 Ohh I see
- s3601725 2017-03-19 12:16

 "As a customer I would like to login so that I can view available bookings"
- s3604367 2017-03-19 12:16 My bad
- **s3601725** 2017-03-19 12:16 All good
 - s3601725 2017-03-19 12:17

 But yeah, I'll finish them in the morning. Only 2 classes left anyway. Night boys
- s3604367 2017-03-19 12:17 Night
- **s3604367** 2017-03-20 01:07

Hey @s3601725 when we get to the lecture can y ou give us a rundown on how the test cases work, so we're all on board with the TTD concept

s3604367 2017-03-20 01:08 Great work on it by the way



s3601725 2017-03-20 02:29 Yeah no problem, thanks mate



s3604367 2017-03-20 02:31

@s3600396 We're late on functionality for login and register, I'll takeover if you dont have it done by tonight

s3604367 2017-03-20 02:32 @s3600396 I'll help you setup and at the lecture

s3601725 2017-03-20 02:33

I can help too, I can takeover backend and get that up and running pretty quick

s3604367 2017-03-20 04:19 @s3601725 you uploaded the unit.bat on the main branch

s3601725 2017-03-20 04:20 Was I not supposed to?

s3604367 2017-03-20 04:20

The master branch is for deploying onto the site

s3604367 2017-03-20 04:21 We do all dev stuff in the dev branch

s3604367 2017-03-20 04:21 Sorry if it wasnt clear

s3601725 2017-03-20 04:21

The batch just runs the tests, it shouldn't matter where it

is

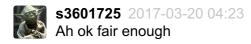
it

s3601725 2017-03-20 04:21

It will only run if you explicitly run

s3604367 2017-03-20 04:22 Yeah I know

s3604367 2017-03-20 04:23
But all the updated code is on the dev branch



- s3604367 2017-03-20 04:23
 We only use the master once we merge the dev to master
- s3604367 2017-03-20 04:23 Through pull requests
- s3601725 2017-03-20 04:23
 Ok that makes sense, I'll put it on the dev branch next time
- s3604367 2017-03-20 04:23 e.g. a new feature added in dev then we make a pull request and merge
- s3604367 2017-03-20 04:23 No worries man
- s3601725 2017-03-20 04:24

 Also I'm gonna merge your model factory with mine because I forgot to upload that
- s3604367 2017-03-20 04:24 Yeah
- s3604367 2017-03-20 04:24
 I just found out how to do it today
- **s3601725** 2017-03-20 04:24 I made one for the unit tests
- **s3604367** 2017-03-20 04:24 All good
- s3604367 2017-03-20 06:19 https://github.com/fzaninotto/Faker#fakerprovideren_usaddress
- s3604367 2017-03-20 09:35 Any progress yet?
- **\$3604367** 2017-03-20 09:35 @\$3600396
- s3600396 2017-03-20 09:41
 I messaged u on fb about a fatal error i got
- s3604367 2017-03-20 10:44
 Uploaded the meeting for week 3 meeting



s3601725 2017-03-20 12:19

Registration form is working, just working on validation. Making sure it passes all the tests



s3537901 2017-03-20 12:25

I've just pushed a basic booking page to GitHub. @s3604367 can you please have a look, somehow I broke the styling just on this page



s3601725 2017-03-20 13:02

Registration is passing all tests and has been uploaded to dev branch, should be good to go



s3604367 2017-03-22 10:16

If you check the web routes theres `Route::get('/admin', 'BusinessOwnerController@index');`



s3537901 2017-03-22 10:17

ill need to change the controller no?

:)

s3604367 2017-03-22 10:17

Go to the controller and you can see what it does



s3604367 2017-03-22 10:17

`public function index() { if (BusinessOwner::first() && Auth::check()) { return view('admin.index'); } elseif (BusinessOwner::first()) { return redirect('/admin/login'); } else { return redirect('/admin/register'); } }`



s3604367 2017-03-22 10:18

Do you know what it means?



s3537901 2017-03-22 10:18

what is ::first? and Auth::check? are these need for the basic dashboard?



s3604367 2017-03-22 10:21

Okay so the way Laravel gets records from the database by using the ORM framework which wraps around the database. So instead of traditional querying, you can call the model (in this case the BusinessOwner) to get the first record



s3604367 2017-03-22 10:22

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4MUTT3EY/pasted_image_at_2017_03_22_09_22_pm.png



s3604367 2017-03-22 10:22

So that's why the first function is

there

- s3604367 2017-03-22 10:22
 Auth::check means that it checks if you're logged in
- s3604367 2017-03-22 10:23
 Using the Auth method from Laravel
- s3604367 2017-03-22 10:23 class*
- s3537901 2017-03-22 10:23
 Can i remove this until you get the login working?
- s3604367 2017-03-22 10:23 Yeah just comment it out
- s3537901 2017-03-22 10:23 just connect directly to /admin
- s3537901 2017-03-22 10:25 and how do i make sure that BusinessOwner::first() is true?
- s3537901 2017-03-22 10:26 or can this be commented out as well?
- **\$3604367** 2017-03-22 10:26 You `count(BusinessOwner::first())`
- s3604367 2017-03-22 10:27
 This checks that theres a business owner registered in your db
- s3537901 2017-03-22 10:27 ok
- **s3537901** 2017-03-22 10:34 @s3537901 uploaded a file: https://sept-lcjj.slack.com/files/s3537901/F4M7XFPMX/-.php
- **s3537901** 2017-03-22 10:35 where is admin.index?
- s3604367 2017-03-22 10:44 you have to make it
- s3537901 2017-03-22 10:45 ah ok, i just samed it summary so ill change it to index
- s3537901 2017-03-22 10:48
 I might need your help setting up the template, with all the bootstrap and

- s3604367 2017-03-22 10:49 Alright
- s3604367 2017-03-22 10:51 Teamviewer whenever you're ready
- **s3537901** 2017-03-22 10:52 629 715 594
- **s3537901** 2017-03-22 10:52 a9pw92
- **s3604367** 2017-03-22 10:53 What's your issue?
- s3537901 2017-03-22 10:53 ok so all the files came in the zip
- s3537901 2017-03-22 10:53
 i dont know where to put them and how to reference them
- **\$3604367** 2017-03-22 10:54 What's this?
- **s3537901** 2017-03-22 10:54 It had a download button
- s3537901 2017-03-22 10:54 That came with all the files it needed
- **s3604367** 2017-03-22 10:55 Show it in the browser
- s3537901 2017-03-22 10:55
 Right now none of the none of the styling works
- **s3537901** 2017-03-22 10:55 Cas I didn't have the css
- **s3537901** 2017-03-22 10:55 Or js
- s3604367 2017-03-22 10:56
 Best idea would of been copying hte source
- s3604367 2017-03-22 10:56 the



s3604367 2017-03-22 10:56 Show me a browser

s3537901 2017-03-22 10:56 Forgot to grab the files too

s3537901 2017-03-22 10:58 Oh I looked at the wrong one

s3604367 2017-03-22 10:59
We dont need the JS or Bootstraps CSS since laravel comes iwth bootstrap

s3604367 2017-03-22 10:59 with*

s3537901 2017-03-22 10:59
We still need the dashboard? css right?

s3604367 2017-03-22 10:59
Except we need the dashboards custom css

s3604367 2017-03-22 11:01
The way Laravel stores CSS is through SASS

s3604367 2017-03-22 11:02
You can traditionally reference a custom .css file but it would be recommended to use Sass

\$3604367 2017-03-22 11:02 Sass is a wrapper for CSS

s3537901 2017-03-22 11:02 Can't? we just reference it this time?

s3604367 2017-03-22 11:03
Sure but then we need to refactor it eventually

s3604367 2017-03-22 11:03 + time

s3537901 2017-03-22 11:03
Seems like a lot of conversions to load a template

\$3604367 2017-03-22 11:03 It's simple once you know it

- s3604367 2017-03-22 11:04 It uses Sass to compile back to CSS
- **s3537901** 2017-03-22 11:04 That's a lot of css
- **s3604367** 2017-03-22 11:04 That's what Sass does
- s3604367 2017-03-22 11:05 It includes Bootstraps default css
- s3604367 2017-03-22 11:05 All in one file
- s3537901 2017-03-22 11:05
 Ok how to we merge the template with sass?
- **\$3604367** 2017-03-22 11:05 Do you have node js?
- s3537901 2017-03-22 11:06 Not that I know of
- s3604367 2017-03-22 11:06
 Basically we need Node js to compile sass to css
- s3604367 2017-03-22 11:06
 Because browsers cant read sass files like
 .scss
- s3604367 2017-03-22 11:08
 This is the main sass file
- s3604367 2017-03-22 11:08
 See how it imports the boostrap wrapper css
- s3604367 2017-03-22 11:10
 Laravel does node js to do the compiling stuff like minising js files and using sass
- s3537901 2017-03-22 11:10 Then why was it working before?
- s3604367 2017-03-22 11:10 For what?
- **\$3604367** 2017-03-22 11:10 The bookings page?



s3537901 2017-03-22 11:10 Everything loaded correctly

- s3604367 2017-03-22 11:10 That's a different issue
- s3604367 2017-03-22 11:11
 I fixed it because it wasnt referencing the compiled css file
- s3604367 2017-03-22 11:11
 e.g. localhost/bookings/css/app.css where it doesnt exist in /bookings
- s3604367 2017-03-22 11:11 it exists in the root
- \$3604367 2017-03-22 11:12 `localhost/css/app.css`
- s3537901 2017-03-22 11:12
 Oh so we need to recompile it with node.js
- s3604367 2017-03-22 11:13

 Okay what I'm doing right now is installing the node dependency packages
- s3604367 2017-03-22 11:14

 Just like how theres composer for php
- s3604367 2017-03-22 11:14 Theres npm for java
- s3537901 2017-03-22 11:14 So many dependencies
- s3604367 2017-03-22 11:14
 Yeah only two major dependancy
 mangers
- s3604367 2017-03-22 11:14 One for each language
- s3604367 2017-03-22 11:15
 It's a lot to take in because I'm jump back and forth
- s3604367 2017-03-22 11:15
 And because there's literally a lot to learn

- s3604367 2017-03-22 11:17

 But most of the content needed to learn is in the laracast vids
- s3604367 2017-03-22 11:21
 When running `npm run dev` it compiles all js and css files defined
- s3604367 2017-03-22 11:22
 This feature is called Mix in laravel
- s3537901 2017-03-22 11:23 Need to serve
- s3537901 2017-03-22 11:25 Thanks
- s3604367 2017-03-22 11:25
 Do you need help with the yield and section stuff?
- s3537901 2017-03-22 11:25
 I'll clean it up tomorrow but I have to sleep now
- s3537901 2017-03-22 11:25 No I think I have that down
- s3604367 2017-03-22 11:25 Alright
- s3537901 2017-03-22 11:25 Thanks again for all this
- s3604367 2017-03-22 11:26 All good
- s3604367 2017-03-22 11:26
 Ask me anything I'm happy to help even if it's something small
- :)

s3604367 2017-03-23 06:42

I'm going to work on test cases for customer registration since it pairs with live validation on form that I was working on

- s3537901 2017-03-23 09:19
 Someone should do some mockups for next week.
- **s3604367** 2017-03-23 09:23 I can do that
- s3604367 2017-03-23 09:23

vVhat sort of mockups do we need?

s3537901 2017-03-23 09:42
Probably just a basic wireframe will be enough

s3604367 2017-03-23 09:45 Yeah of the dash?

s3604367 2017-03-23 09:46
I'll setup a card just figure out what sort of wireframes we need

s3537901 2017-03-23 09:49

No not of the dash, of the screen we are doing next week, so like the employee screen or something

s3604367 2017-03-23 10:27
The dashboard contains all admin functions including employee availabilities

s3537901 2017-03-23 10:41
Yeah but they don't have to be fully functional yet

s3537901 2017-03-23 10:44

Like right now we only have summaries done, so we can do the other functionality in the coming weeks. Otherwise we will run out of tasks to do. The mock-up just has to be an example of what the functionality will look like within the dashboard.

s3604367 2017-03-23 10:47 Yeah that's what I meant

s3604367 2017-03-23 10:47 I'm only do wireframes

s3604367 2017-03-23 10:47 doing*

s3604367 2017-03-23 10:47
And whatevers assigned to me on Trello

s3604367 2017-03-23 10:49
The employee screen is out of the scope

s3604367 2017-03-23 10:49
If you're thinking about having employees logging in and views rosters etc.



s3604367 2017-03-23 10:58

Also on another note, I've added the Laravel Dusk package to composer for browser tests, so do a 'git pull' and 'composer install' to install the package

- **s3604367** 2017-03-25 02:43 @s3600396 You still haven't finished the user stories
- s3604367 2017-03-26 00:21
 Well still need to fix the bugged owner login
- **s3601725** 2017-03-26 00:38 Working on it right now
- s3604367 2017-03-26 00:38
 Okay, I've almost completed registration customer test cases
- **\$3604367** 2017-03-26 00:38 All through TDD
- s3604367 2017-03-26 00:38 Ironed out validation rules with TDD
- s3604367 2017-03-26 00:39 Finally understood why people do TDD



s3601725 2017-03-26 00:42

Fair enough. I've been working on graphics and CT all week. So if anybody needs help with CT let me know. I'm pretty confident with all my answers

- **\$3604367** 2017-03-26 00:42 Deadline for CT is tonight?
- **s3601725** 2017-03-26 00:43 Yeah
- s3604367 2017-03-26 00:43 Hmmm
- s3604367 2017-03-26 00:43 I'm confident to an extent haha
- **s3601725** 2017-03-26 00:43 Haha fair enough



Should I also be combining the business owner login and the customer login after I get it working?



s3601725 2017-03-26 01:32

Well I fixed it, so I'm just going to take that as a yes and do it

- s3604367 2017-03-26 01:53
 Gotta keep it separate since it's in different tables
- **s3604367** 2017-03-26 01:53 But if it work gotta show me how
- s3604367 2017-03-26 01:53 works

s3601725 2017-03-26 01:53

Yeah but its supposed to be all on one screen. Not two different login forms

s3601725 2017-03-26 01:54

You just didn't specify the guard you were using. So it defaulted to customer

- s3604367 2017-03-26 01:54 Oh I see
- s3604367 2017-03-26 01:54
 So if I login as a customer with the same username as business owner what happens?

s3601725 2017-03-26 01:55

A customer shouldn't be able to take the business owner's username

- s3604367 2017-03-26 01:55 Yeah, should it check for that in validation?
- s3604367 2017-03-26 01:55
 I'll setup another test case for it if you want



s3601725 2017-03-26 01:55 I already did that originally

s3604367 2017-03-26 01:56 Where is it?



s3601725 2017-03-26 01:56

Wait thats a lie. I did it for login but not for register

-2004207 0047 00 00 04.E7

Yeah all good, I'm doing form validation anyway



s3601725 2017-03-26 01:57 Ok sweet

s3604367 2017-03-26 01:57
All my tests are in
`tests/browser/CustomerRegisterTest.php`

- **\$3604367** 2017-03-26 01:57 For customer registration
- s3604367 2017-03-26 01:57
 It uses `php artisan dusk` since it literally tests in the browser
- s3601725 2017-03-26 01:58
 Ok cool. I'll have a look later. I'll finish combining the login forms first
- s3604367 2017-03-26 01:58
 It still uses PHPUnit but wraps with Dusk
- **s3601725** 2017-03-26 01:58 Oh nice, thats neat
- s3604367 2017-03-26 01:58
 Can you check what we need this week?
- s3604367 2017-03-26 01:58
 I don't have a clear understanding on where we're at in terms of functionality
- s3601725 2017-03-26 01:59
 It was pretty ambiguous, basically says make more progress haha
- s3604367 2017-03-26 01:59 Yeah... I'll just try make it look 'pretty'
 - s3601725 2017-03-26 01:59
 Haha fair enough. I'll finish this stuff and I'll see what else needs to be done
- s3604367 2017-03-26 02:00 Np
- :)

s3604367 2017-03-26 02:01

business owner controller



s3601725 2017-03-26 02:01

Yeah that was my other job to clean up those controllers

s3604367 2017-03-26 02:02

Yeah once you're done git push it all on the repo and I'll verify

s3604367 2017-03-26 02:02

Just decide on what structure we're using



s3601725 2017-03-26 02:02

I'll probably keep the login controller to handle both kinds of login (as they are the same form) and then put registration inside the models



s3601725 2017-03-26 02:02

Seems like the cleanest way of doing

itr

s3604367 2017-03-26 02:02

Yeah entirely personal pref



s3601725 2017-03-26 02:03

or maybe I'll abstract the logins into the models aswell, and just call them from the controller. Keep it centralized



s3604367 2017-03-26 02:03

As long as everyone knows



s3601725 2017-03-26 02:03

Yeah fair enough



s3601725 2017-03-26 02:03

I'll comment my code and make sure it's all pretty straight-

forward



s3604367 2017-03-26 02:03

(y)



s3601725 2017-03-26 02:03

And we have two register functions at the moment. So that definitely needs to be fixed



s3604367 2017-03-26 02:04

Yeah though one of it registers the business and owner in the same table

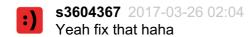


s3601725 2017-03-26 02:04

No, we have two for just

customer







s3601725 2017-03-26 02:05 Yeah I will haha



s3601725 2017-03-26 02:05

Alright, I'm gonna ignore this chat while I work or I'll get nothing done. I'll let you know when I'm finished



s3604367 2017-03-26 02:18

@s3537901 Great work on the dashboard, I'll just modify the CSS and do some slight adjustments to your dashboard



s3537901 2017-03-26 02:33 Sure, let me know if you want help



s3600396 2017-03-26 05:32 so wat do u guys want me to do?



s3601725 2017-03-26 05:57

Ok so I've refactored a lot of the code. I've now made it so that there is no register controller. Logins of both customer and business owner are done from within their controllers but redirecting is done through the login controller



s3601725 2017-03-26 05:58

I've made it so its impossible to get to certain pages without authentication, aka going to the admin registration path when an admin is already registered will just redirect you back to the login page



s3601725 2017-03-26 05:58

I've also made the registration form repopulate the data you put in if validation fails

\$3604367 2017-03-26 06:09 @\$3600396 look at the trello theres assigned tasks







If you want to verify it and let me know if anything breaks (You'll need to migrate the database btw)

:)

s3604367 2017-03-26 06:19

Yeah I'll run my test cases for customer registration validation



s3604367 2017-03-26 06:25

@s3600396 instead of us finding what to do, try to decrypt the assignment spec and see what's needed for this week

s3604367 2017-03-26 06:26
We've all been trying to do that for the past weeks

s3604367 2017-03-26 06:26 Discuss what ideas you have



s3604367 2017-03-26 06:30

@s3604367 uploaded a file: https://sept-

<u>lcjj.slack.com/files/s3604367/F4P32SWM6/pasted_image_at_2017_03_26_05_28_pm.png</u> and commented: I've made the validation rules more simplified for customer registration. Phone field can contain symbols including +, ., (,) and -



s3601725 2017-03-26 06:31 Alright cool



s3601725 2017-03-26 06:32

So is anybody actually adding any functionality for this week?

s3604367 2017-03-26 06:33

Not quite sure what we need for functionality



s3601725 2017-03-26 06:33

Well we need to present functionality. Otherwise it looks like we've done nothing

s3604367 2017-03-26 06:33 Yeah

\$3604367 2017-03-26 06:33 I'm just running tests first



s3601725 2017-03-26 06:33

Ok cool, if you can get a stable build going I might add some admin functions in or something

s3604367 2017-03-26 06:34 Yeah that sounds good

s3601725 2017-03-26 06:34

I don't start til 4:30 tommorow, so take your time

s3604367 2017-03-26 06:34

s3604367 2017-03-26 11:32 I've just completed all tests for customer reg and form validation

s3604367 2017-03-26 11:33
Re-organised the views folder to have customer login and register in the /customer folder

:)

s3604367 2017-03-26 13:31

We need the following test classes on this Trello card. I've just completed one in `tests/Browser`

s3604367 2017-03-26 13:31 https://trello.com/c/VYQcrCpk/54-re-visit-test-cases

s3604367 2017-03-26 13:32
Run `php artisan dusk` to run the tests in /browser

:)

s3604367 2017-03-26 14:10

I've arranged some tasks you guys can do in the sprint backlog. We may need to do those test classes as soon as possible.

:)

s3604367 2017-03-26 14:10

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4QFK78NA/pasted_image_at_2017_03_27_01_10_am.png



s3601725 2017-03-26 20:58

Alright cool I'll have a look at some of them today

\$3604367 2017-03-27 12:39 @\$3600396 You have some assigned tasks you can do today or tomorrow



s3601725 2017-03-27 12:40

Hey Johnny is there a way to change the dusk default testing root?

s3601725 2017-03-27 12:40



- s3604367 2017-03-27 12:40

 Not sure you might need to do some research
- s3604367 2017-03-27 12:40
 Apparently they're acceptance tests
- s3601725 2017-03-27 12:40
 Yeah all good, Just figured you might know already
- **s3604367** 2017-03-27 12:40 I've cleans up unit tests
- s3604367 2017-03-27 12:40 cleaned*
- s3601725 2017-03-27 12:41
 I'll write mine once I get this dusk thing worked out
- s3604367 2017-03-27 12:41 Sure np
 - s3601725 2017-03-27 12:42
 Got it, just need to change your env APP_URL path if anyone else has a problem with it
- s3604367 2017-03-27 13:18
 I've just added a few test cases for bookings in
 '/browser`
- **s3604367** 2017-03-27 13:18 For BookingsTest.php
- s3604367 2017-03-27 13:18 I'm done for the night :slightly_smiling_face:

:)

s3604367 2017-03-27 13:19

Also slightly changed some stuff in wireframeshttps://trello.com/c/szduDJjc/66-5-wireframes-mockup-3



s3601725 2017-03-27 13:33

Alright night man. I'll get these test cases for admin registrastion and customer login done

\$3604367 2017-03-28 06:06 https://laravel.com/api/5.4/index.html

- s3604367 2017-03-29 09:26 https://laracasts.com/series/phpunit-testing-in-laravel
- s3604367 2017-03-29 09:27
 Here's a good resource in Laravel testing, it should include unit testing examples at the start



s3604367 2017-03-30 05:12

I've found another resource on 'unit testing' Eloquent Models, which is the models we're working on

- **\$3604367** 2017-03-30 05:12 https://laracasts.com/series/how-do-i/episodes/5
- s3604367 2017-03-30 08:54
 So unit tests are really difficult with Eloquent models, the guy tells we can do integration tests



s3604367 2017-03-30 08:54

https://github.com/rmit-s3604367-johnny-huynh/SE-PT-Assignment/blob/dev/tests/Integration/CustomerTest.php

s3604367 2017-03-30 08:54
I've just got a single integration test case working after hours of research



s3604367 2017-03-30 09:11

So if you guys are lost about testing here's some key points you need to know. *Acceptance testing* is actual input and testing the output from the browser (Dusk). *Integration testing* is done through requests and databases similar to acceptance but without the UI. *Unit testing* is the foundation function tests without the use of a database or anything. I may need more help on describing what unit tests are in Laravel but this is what I know so far.



s3537901 2017-03-30 09:52

Don't we need unit test specifically for TDD?

- s3604367 2017-03-30 10:15
 We need testing in general Homy said Dusk is fine
- s3604367 2017-03-30 10:16

 But its good to try to put some unit tests in our project to "generally" have all tests
- s3604367 2017-03-30 10:16 In case we lose marks for some reason

- s3604367 2017-03-30 10:17
 He also said do unit tests so like I said its best we try do it even though we've coded already
- s3537901 2017-03-30 10:24
 Ok so what sort of tests should I do for history of bookings
- s3604367 2017-03-30 10:39
 For dusk test you can assert to see what's shown on the page
- **s3604367** 2017-03-30 10:39 E.g. table columns
- s3604367 2017-03-30 10:40
 Integration tests, you can factory create 4-10+ bookings and check if it's in the database
- s3604367 2017-03-30 10:40
 And you can set so that you get history of bookings in a month or so etc
- :)

s3604367 2017-03-30 10:41

I'm not quite sure what to do you unit tests but you should try do some research on it and you'll probably have something for it



s3537901 2017-03-30 10:44

I'm just confused where to start. I know I need to write the tests THEN create the page but I don't really know where to even start with the tests

- **s3604367** 2017-03-30 10:45 You start with tests
- s3604367 2017-03-30 10:45
 Your tests will fail then you start coding to fix the failures
- s3537901 2017-03-30 10:46 yes I know that
- s3537901 2017-03-30 10:46
 I dont know where or how to write the tests
- s3604367 2017-03-30 10:47
 You can start at integration testing and test to get a history of bookings
- s3604367 2017-03-30 10:47 Check if its in the db properly

-2004207 0047 00 00 40.47

- testBookingsIsInDatabase
- s3604367 2017-03-30 10:47 eg
- s3604367 2017-03-30 10:48 and you can start makings tests on dusk for ui stuff eg login as admin and visit /admin/history
- s3537901 2017-03-30 10:48 so i do this in tests\unit with phpunit and call a function in the bookings class?
- **\$3604367** 2017-03-30 10:48 Unit is for *unit testing*
- **s3537901** 2017-03-30 10:48 right ok, so where to the other tests go
- s3537901 2017-03-30 10:48 this is what im trying to get
- s3537901 2017-03-30 10:48 what is the workflow of the tests?
- s3604367 2017-03-30 10:49 - /Browser = Acceptance Test
- **s3604367** 2017-03-30 10:49 /Integration = Integration tests
- **s3604367** 2017-03-30 10:49 /Unit = unit tests
- s3537901 2017-03-30 10:49 ok do I run them all with php unit orrrrr?
- s3537901 2017-03-30 10:49 and do I create a function in booking to call?
- s3604367 2017-03-30 10:49 for dusk tests you run `php artisan dusk`
- s3604367 2017-03-30 10:50 For all other tests `vendor/bin/phpunit`
- s3604367 2017-03-30 10:50

- What do you mean?
- s3537901 2017-03-30 10:51

what exactly am I testing? I have to call a function to test right? So where is this function?

- **s3604367** 2017-03-30 10:51 You dont have it yet
- s3537901 2017-03-30 10:51 Where should this function go i mean
- s3537901 2017-03-30 10:52 do I make it in the bookings class then call that function from the view?
- s3604367 2017-03-30 10:55

 My idea would be calling Booking::all() will get all bookings which is the history of bookings
- s3604367 2017-03-30 10:55

 Theres no need to make another function when its already there
- s3537901 2017-03-30 10:55
 ah but i need to show all bookings that are over a week/month old
- s3604367 2017-03-30 10:55
 Though do you want to limit it? How is this going to be displayed?
- s3604367 2017-03-30 10:56
 You do it through tests and assert accordingly
- s3537901 2017-03-30 10:56
 So the summary of bookings show future bookings
- s3604367 2017-03-30 10:56 future?
- s3604367 2017-03-30 10:56 You mean latest
- s3537901 2017-03-30 10:56
 And the history shows books that are expired
- s3537901 2017-03-30 10:57 so for the next week
- s3604367 2017-03-30 10:57 Yeah

s3604367 2017-03-30 10:57 I guess future too

s3537901 2017-03-30 10:57 next week = future bookings no?

:)

s3604367 2017-03-30 10:57

So you want a history of bookings for the past month? then you think of a function Bookings->history()

s3604367 2017-03-30 10:58 Put that function in your test

s3537901 2017-03-30 10:58 yes but what file does that function go in? BookingController?

s3604367 2017-03-30 10:58 and then expect a result

s3604367 2017-03-30 10:58 The model

s3537901 2017-03-30 10:59 which directory is that contained in?

s3604367 2017-03-30 10:59 app

s3604367 2017-03-30 10:59 Heres an example

s3537901 2017-03-30 10:59 so app\booking.php

:)

s3604367 2017-03-30 10:59

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lcjj.slack.com/files/s3604367/F4S18BKKN/pasted_image_at_2017_03_30_09_59_pm.png

s3604367 2017-03-30 10:59 Yes.

s3537901 2017-03-30 11:00

yes I watched that video but it didnt really help me get started

s3537901 2017-03-30 11:00
I get the idea just not the worl

I get the idea just not the workflow and where everything needs to

s3604367 2017-03-30 11:01
Well laravel is very flexible you can do it in a lot of different ways



s3537901 2017-03-30 11:02 so I start with something like this



s3537901 2017-03-30 11:02

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s3537901 2017-03-30 11:03

then write the tests for it, then code the actual function to pass the tests, then call the function from the view?

- s3604367 2017-03-30 11:03

 Dont code at all until you write your tests
- s3604367 2017-03-30 11:03 I'll make an example, give me a sec
- s3537901 2017-03-30 11:04 ill just get a php error then rather than a test fail
- s3604367 2017-03-30 11:04
 Because theres many many ways to approach this
- s3537901 2017-03-30 11:04 this will make it fail without errors
- s3604367 2017-03-30 11:04
 Of course but key thing is to only start when tests are written
- s3604367 2017-03-30 11:04 Even not having the function existing
- **\$3604367** 2017-03-30 11:04 You're just cutting corners
- s3537901 2017-03-30 11:05
 well i cant test something that isnt there to start
 with

Just give me a moment I'll write something up

s3537901 2017-03-30 11:05

I need to fail the tests -> write the function -> implement the function

s3604367 2017-03-30 11:07

Yeah I know that but the whole aspect of tdd is to write the test assumption first

:)

s3604367 2017-03-30 11:15

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lcjj.slack.com/files/s3604367/F4R8VV3PS/pasted image at 2017 03 30 10 15 pm.png

s3604367 2017-03-30 11:15 I'm integration testing

:)

s3604367 2017-03-30 11:21

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lcjj.slack.com/files/s3604367/F4RTRA4NP/pasted image at 2017 03 30 10 21 pm.png

s3604367 2017-03-30 11:22 That's one way

s3604367 2017-03-30 11:22
And I may be missing a few bits here and there

s3604367 2017-03-30 11:22

But I havent started coding yet because maybe my logic might be wrong

:)

s3604367 2017-03-30 11:26

@s3604367 uploaded a file: https://sept-

lcij.slack.com/files/s3604367/F4S1HTP28/pasted image at 2017 03 30 10 26 pm.png

s3604367 2017-03-30 11:28 Heres my error for it

:)

s3604367 2017-03-30 11:28

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4SLSGJLF/pasted image at 2017 03 30 10 28 pm.png

s3604367 2017-03-30 11:28 Fixed it

s3604367 2017-03-30 11:28

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4RTTTJJF/pasted image at 2017 03 30 10 28 pm.png

s3604367 2017-03-30 11:28 Next error

:)

s3604367 2017-03-30 11:28

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4R9WBDHP/pasted image at 2017 03 30 10 28 pm.png

:)

s3604367 2017-03-30 11:31

My goal is to try to pass data from a get request to `/admin/history` so I can do `@foreach (\$bookings as \$booking)` etc..

s3604367 2017-03-30 11:33
Okay so I removed status because it might be too confusing but I want data passed to that url

:)

s3604367 2017-03-30 11:33

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lcjj.slack.com/files/s3604367/F4R92JDUG/pasted image at 2017 03 30 10 33 pm.png

s3604367 2017-03-30 11:34 Seems like theres nothing there

s3604367 2017-03-30 11:34 Now I start coding

s3537901 2017-03-30 11:35 This just makes things more confusing

s3537901 2017-03-30 11:36
like what is acting as and why are you parsing using ison

s3604367 2017-03-30 11:36
It's extremely hard to understand if you dont know the frameworks documentary

\$3604367 2017-03-30 11:36 https://laravel.com/docs/5.4/http-tests

s3604367 2017-03-30 11:36
In laravels latest build they use JSON to deal with requests and to test them

- I learnt that the hard way and wasted hours by ignoring it
- s3604367 2017-03-30 11:37 wasting

s3537901 2017-03-30 11:39

since you aren;t calling any function that i can see, is it actually testing the page itself?

- s3604367 2017-03-30 11:43
 It's testing if I pass data though that
- s3604367 2017-03-30 11:43
 It calls the route, which calls the controller
- s3604367 2017-03-30 11:44
 In my case I can call the method in the controller showHistory
- **s3537901** 2017-03-30 11:44 why is it so complex?
- **:)**

s3604367 2017-03-30 11:44

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lcjj.slack.com/files/s3604367/F4S0K05T4/pasted image at 2017 03 30 10 44 pm.png

s3604367 2017-03-30 11:45 This is just one way of doing it



s3537901 2017-03-30 11:45

Why can't I just say to a test that puts 2 things in the DB one a week ago and one set for next week then test that only the first one appears in the table?



s3601725 2017-03-30 11:45

You can write a function stub for unit tests. Theres nothing wrong with that



s3537901 2017-03-30 11:45

why all the json crap?

s3537901 2017-03-30 11:46
seems to be overengieering and overcomplicating something that should be simple

s3604367 2017-03-30 11:47
This is just one way, there is many other simple ways of doing it



s3537901 2017-03-30 11:47



s3537901 2017-03-30 11:48

Sorry I'm just getting frustrated with the many layers of abstraction here preventing me from just coding



s3601725 2017-03-30 11:48

Lachy you can just put stuff in the database and then test it like that. That would be also be an integration test



s3601725 2017-03-30 11:49

A unit test cant be performed on a database. Thats more for stuff like validation

- s3604367 2017-03-30 11:49 Yeah validation is more for integration
- s3604367 2017-03-30 11:49 I'm still learning a lot of this
- s3604367 2017-03-30 11:49 I may be right or wrong



s3537901 2017-03-30 11:49

so i can just make a method like getHistory() which just returns an array of bookings that have start time < now



s3537901 2017-03-30 11:50

then write test that call getHistory()?



s3601725 2017-03-30 11:50

Yes

:)

s3604367 2017-03-30 11:50

Sure

s3537901 2017-03-30 11:51

Ok I'll do some tests for that

then

:)

s3604367 2017-03-30 11:53

This is how I solved customer username not having business owner username



s3604367 2017-03-30 11:53

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\$3604367 2017-03-30 11:54 Very similar to dusk testing

s3537901 2017-03-30 11:55 would database matching count as integration or unit testing?

s3604367 2017-03-30 11:55
Unit testing cannot touch the database at all

s3537901 2017-03-30 11:56 Even if the DB is reset after each test?

s3604367 2017-03-30 11:56
Usually you do that in integration testing no reason for it to reset in unit tests

s3537901 2017-03-30 11:57 alright

s3537901 2017-03-30 12:14 is something like this what I should be writing?

s3537901 2017-03-30 12:14

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lcjj.slack.com/files/s3537901/F4S0WC6TU/pasted_image_at_2017_03_30_11_14_pm.png

s3604367 2017-03-30 12:16 Yeah that can work

s3604367 2017-03-30 12:17
I may of overcomplicated it since I was dealing with http requests

s3537901 2017-03-30 12:20

Not really sure how to come up with 6 tests but I'll give it a shot

s3604367 2017-03-30 12:22
One of them can be passing it though view()

s3537901 2017-03-30 12:23 What do you mean?

s3537901 2017-03-30 12:24
the idea is just to call Booking::getHistory then just do a foreach on it in the view



s3604367 2017-03-30 12:30

I think you should put that test class in just BookingsTest so you can populate it with other stuff related to bookings



s3537901 2017-03-30 12:31

Shouldnt it be in its own file since its specifically for one function?



s3537901 2017-03-30 12:32

they all test the history booking not the other form of bookings (latest/future)

s3604367 2017-03-30 12:33
Yeah but what other test can you make other than showing history?

s3604367 2017-03-30 12:33 tests

s3537901 2017-03-30 12:34

that should be covered by the other tests we wrote for the bookings? Or are they gone now?

s3604367 2017-03-30 12:36 This?



s3604367 2017-03-30 12:36

https://github.com/rmit-s3604367-johnny-huynh/SE-PT-

<u>Assignment/blob/d5e504f8331058536ac6f58418e70d7b2edcb3d0/tests/Unit/GetBookingSummaryTest.p</u>

s3604367 2017-03-30 12:41
That's the only one I see from what Craig made

1

s3537901 2017-03-30 12:44

yes, the last few tests are ones which i wrote

s3604367 2017-03-30 12:44 Yeah add it back if it's reasonable

s3604367 2017-03-30 12:48
I didn't know specifically what we needed to do for bookings back then



s3604367 2017-03-30 14:02

@s3604367 uploaded a file: https://sept-

lcjj.slack.com/files/s3604367/F4S3S5D7E/pasted_image_at_2017_03_31_01_02_am.png

- s3604367 2017-03-30 14:02 I've added a duration function to booking
- s3604367 2017-03-30 14:02 Added the test case to unit testing
- s3604367 2017-03-30 23:55 @s3600396 We still need a footer and those titles
- **\$3604367** 2017-03-30 23:56 @\$3600396 you're also required to do some testing



Can I just do 3 tests for this function? Since I am struggling to come up with any more that aren't repeating previous tests

- **\$3604367** 2017-03-30 23:59 Sure I'll try make some more
- s3604367 2017-03-30 23:59
 As long as you contributed it's fine
- s3604367 2017-03-31 00:00
 I promise I won't remove it this time
 :slightly smiling face:
- s3537901 2017-03-31 00:01
 Also i forgot to push last night but all the tests should be in the reponow



Why am I getting customer id NOT NULL constraint violations when using factory for the bookings?

- s3604367 2017-03-31 00:41
 You need to assign a customer id to the facotry
- s3604367 2017-03-31 00:41 facotry
- s3604367 2017-03-31 00:41
 I think I fixed it when I was working on it last night

:)

s3604367 2017-03-31 00:42

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lcjj.slack.com/files/s3604367/F4RNYR6GZ/pasted_image_at_2017_03_31_11_42_am.png



s3537901 2017-03-31 00:42

ah so you need to make a customer as

well?



s3604367 2017-03-31 01:13

Yeah



s3604367 2017-03-31 09:13

Okay I fixed it, I called make() which was meant to call create() since it needs to persist in the database



s3537901 2017-03-31 09:44

Ok so my tests should be failing rather than erroring now,

thanks



s3604367 2017-04-02 03:54

You working on add employee craig?



s3601725 2017-04-02 03:54

Yeah



s3604367 2017-04-02 03:54

Alright awesome, let me know if you're hitting any roadblocks, or if I need to do anything



s3601725 2017-04-02 03:55

Nah should be good. I already made the page and set all the routes. Just forgot to move the thing



s3601725 2017-04-02 03:55

Just working on

validation/testing



s3604367 2017-04-02 03:55

:+1:



s3601725 2017-04-02 06:18

Employee adding page is done, Am I supposed to be writing integration tests for it or whats the go there?



s3604367 2017-04-02 06:25 Better than no tests



s3601725 2017-04-02 06:25 Ok cool



s3600396 2017-04-02 06:57 Wat



s3600396 2017-04-02 06:57 Wasn't I doing that?



s3600396 2017-04-02 06:57 I'm doing form validation ATM



s3601725 2017-04-02 07:16

I thought we discussed you were supposed to make the form and I was supposed to do the backend



s3600396 2017-04-02 07:25 Yea I got the form



s3600396 2017-04-02 07:25 And the routing



s3600396 2017-04-02 07:25 Dw DW just use my form I guess



s3601725 2017-04-02 07:26
You were supposed to have it done yesterday. I already made one

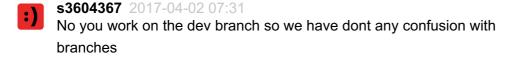


s3600396 2017-04-02 07:26



s3600396 2017-04-02 07:27

Doesn't matter then want me to make a branch and push mine or nah?







s3600396 2017-04-02 07:33 Yea I pulled it when I started working on it yesterday



s3600396 2017-04-02 07:35
DW I'll pull and then push when I get home

- s3604367 2017-04-02 07:37
 You also need to work on some test cases
- s3604367 2017-04-02 07:37 As required from Homy
- **s3600396** 2017-04-02 09:22 wat do you want test cases for?
- s3604367 2017-04-02 09:31 It's on the Trello board



Should the getHistory() function be located in the booking controller rather than the booking class? Since it is more overall functionality rather than specific object functionality IE not related to just one booking

s3604367 2017-04-02 13:53 Yes



Viewing working hours, adding working hours and viewing employee availability should all be working. Let me know if there are any problems

s3601725 2017-04-03 15:19 All code is up on github

- s3604367 2017-04-04 10:45
 Good idea by keeping add work time and roster together
- s3604367 2017-04-04 10:46
 Working on wireframes now, theres gonna be changes but I'll take care of almost all of it
- s3600396 2017-04-04 12:46 umm guys i think something is wrong with the route
- s3600396 2017-04-04 12:47 i cant get onto localhost:8000/admin
- s3600396 2017-04-04 13:24 nvm i fixed it
- s3604367 2017-04-04 16:12 I've fixed your history of bookings tests s3537901
- s3604367 2017-04-04 16:20

I've cleaned up your business information page Jarry



s3537901 2017-04-04 19:46

Thanks Johnny, did you figure out how to call the controller or did you fix it some other way?



s3604367 2017-04-05 08:40

@s3537901 can you finish off your user story? Also, when you have time can you read over all the user stories? We have to make sure all stories are up to date and related to our system



s3537901 2017-04-05 12:51

Yep alright. I'll work on all that stuff tomorrow and do some tests as well, I have the day off so I should be able to get everything done



s3600396 2017-04-06 03:07

guys the database doesnt even work for add employee



s3600396 2017-04-06 03:08

you guys are missing



s3600396 2017-04-06 03:08

`firstname`, `lastname`, `title`, `phone`, `updated_at`, `created_at`



s3600396 2017-04-06 03:09

in the database we only have id name created_at updated_at

s3604367 2017-04-06 03:30 You havent migrated the db

s3604367 2017-04-06 03:31

And I'm in the middle of refactoring a lot of features



s3600396 2017-04-06 03:31 oh mb



s3537901 2017-04-06 05:46

How do you access the business registration? I've tried /admin and /admin/register but I cant seem to get to the right page

s3604367 2017-04-06 05:57 You use /admin

\$3604367 2017-04-06 05:57 I havent had any issues yet

s3604367 2017-04-06 05:58

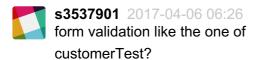
- I'm going to push my build there's a lot of changes since I built test cases around it
- s3537901 2017-04-06 05:58 /admin redirects me to login
- s3604367 2017-04-06 05:58 That means the business is registered
- **\$3604367** 2017-04-06 05:58 Rollback your migration
- s3537901 2017-04-06 05:58 ah i might have to refresh the db
- s3604367 2017-04-06 05:58 Yeah
- **s3537901** 2017-04-06 05:58 thanks man
- **s3537901** 2017-04-06 05:59 ok its working now thanks
- s3604367 2017-04-06 06:12 I'm currently working on working times and the dashboard
- s3604367 2017-04-06 06:12
 What are you guys working on? So I don't overlap anything

s3537901 2017-04-06 06:14

I've just finished doing the user stories review, all the functionality is captured. I'm going to work on some tests, just deciding which one to work on now

- **\$3604367** 2017-04-06 06:25 I am doing testing on working times
- s3604367 2017-04-06 06:26 You should do tests on add employee
- s3537901 2017-04-06 06:26 yeah that was the one i picked
- s3604367 2017-04-06 06:26 testing validation rules
- s3604367 2017-04-06 06:26

existing rules and rules you can think of making



s3604367 2017-04-06 06:26 Yeah very similar



s3537901 2017-04-06 06:28

Based on customerTest, I assume each field gets tested individually? So one test for title then one test for first name and so on?

s3604367 2017-04-06 06:48 Yes



s3537901 2017-04-06 06:58

Am I missing something for testing? I can't get assertJson to work either on my own tests or in tests that should already working (like customerTest). When i run phpunit i get a 'NotFoundHttpException'

s3604367 2017-04-06 06:59 Teamviewer?

s3537901 2017-04-06 06:59 yeah ok one second

s3537901 2017-04-06 06:59 629 715 594

s3537901 2017-04-06 06:59 99x9tj

s3604367 2017-04-06 07:03 give me a sec I'll push all my changes now

s3537901 2017-04-06 07:09 What was the issue?

s3604367 2017-04-06 07:10 the app url was invalid I think

s3604367 2017-04-06 07:10 and I've also made an env file for your testing

s3537901 2017-04-06 07:10 ah ok thanks for fixing it!

\$3604367 2017-04-06 07:10 so it should test inside the test

db

s3537901 2017-04-06 07:14

What is the second parameter of the assertJson? I cant find much documentation for it

- s3604367 2017-04-06 07:15
 It's an optional message if tests fail, phpunit docs has it I think
- s3604367 2017-04-06 07:15 But I'm not sure it works
- s3604367 2017-04-06 07:15 You can remove it
- s3537901 2017-04-06 07:15 hmm, its the only things thats different but my test is failing

:)

s3604367 2017-04-06 07:15

Also, you can use assertJsonFragment and it will find the string instead of keys and values in the response

s3604367 2017-04-06 07:16 `\$response->assertJsonFragment(['This is an error message'])`

s3537901 2017-04-06 07:16
nevermind i forgot to change one of the lines

s3604367 2017-04-06 07:16 Much more simplified

s3537901 2017-04-06 07:16 ah thanks ill use that

:)

s3604367 2017-04-06 07:17

Look at the BookingController and you'll see how I separated rules and messages for validation

- s3604367 2017-04-06 07:17 No wait
- **\$3604367** 2017-04-06 07:18 `WorkingTimeController`
- s3604367 2017-04-06 07:18 Just ignore line 15 - 47
- **\$3604367** 2017-04-06 07:19 Thats so it validates dates

properly



s3537901 2017-04-06 07:19

ah so these are the error messages that are passed back?

s3604367 2017-04-06 07:19
Yeah you can customize them however you want



s3537901 2017-04-06 07:21

my regex is a bit rusty, this means no special characters right? regex:/^[A-z\-\.]+\$/

- \$3604367 2017-04-06 07:22 You can easily use `alpha`
- s3604367 2017-04-06 07:22

 Or from the customer controller `regex:/^[A-z\']+\$/`
- s3604367 2017-04-06 07:22 Which includes ``
- s3537901 2017-04-06 07:22 no im just decoding the field requirements
- s3604367 2017-04-06 07:23
 That means alpha including and
- s3604367 2017-04-06 07:23 From start to end of string
- s3537901 2017-04-06 07:24
 ah ok so its the same sort of code used for customer registeration?
- s3604367 2017-04-06 07:24
 Similar but it can include `'` e.g `John O'
 Doe`
- **s3537901** 2017-04-06 07:25 oh yeah that makes sense
- s3604367 2017-04-06 08:42
 Also, if you want to debug you can use `dd(\$array or json response)` in your test cases
- s3604367 2017-04-06 08:43 'dd()' means debug and dump
- s3604367 2017-04-06 08:43 Correction - die and dump

s3604367 2017-04-06 09:12 You can use `vendor/bin/phpunit -h` for phpunit



s3604367 2017-04-06 09:15

`vendor/bin/phpunit tests/Integration --repeat 10` is useful to check if tests work over repeated times

- **s3604367** 2017-04-06 11:04 Okay working times should be done with test cases
- **s3604367** 2017-04-06 17:07 Okay almost everything is done
- s3604367 2017-04-06 17:07 Today I'll just work on browser tests, and then it's off to documentation
- **s3604367** 2017-04-06 17:08 If you can, you can try do browser tests with

s3601725 2017-04-07 07:45 Ok what browser tests need to be done?

s3601725 2017-04-07 07:45

Flnished up at work for the week so this is my priority now

- **s3604367** 2017-04-07 07:48 should be on the Trello board
- **s3604367** 2017-04-07 07:51 https://trello.com/c/eagODzxF/89-13-dusk-tests

s3601725 2017-04-07 07:53 You take the first 3 I'll take the 2nd 3 then?

s3604367 2017-04-07 07:53 I got to do the class diagram

s3601725 2017-04-07 07:54 Okay. I'll just work from the top down then



s3601725 2017-04-07 07:54

Just don't want to end up working on something someone else is already

s3604367 2017-04-07 09:40

I'm going to ask Homy is remove or edit employee is needed for the functionality

s3601725 2017-04-07 12:29

Just realized the readme on github says we are in the Tuesday 8:30 tutorial

s3604367 2017-04-07 13:41 Yeah woops

s3604367 2017-04-07 13:58 Fixed it

s3604367 2017-04-07 18:45
I'm waiting for your Dusk test cases before I finish off test case documentation

s3601725 2017-04-08 06:43

Yeah no problem. I'll try to finish them tonight



s3604367 2017-04-08 07:36

I've refactored redirection with middleware recently so it may be different for previous dusk cases such as visiting /admin going to /admin/register. /admin now goes to /login and /admin/register is where you register business owner.



s3601725 2017-04-08 09:02

I thought thats what it always did but okay

s3604367 2017-04-08 09:03
Originally the redirect condition

Originally the redirect condition was repeated over 4+ other functions

s3601725 2017-04-08 09:04

Oh yeah, I was gonna clean that up anyway but if you did it its all good

s3604367 2017-04-08 09:04

Now I'm not sure how employee availability is going to work

s3604367 2017-04-08 09:04 Spec says to view employee availability

s3604367 2017-04-08 09:04 Nothing else



s3601725 2017-04-08 09:05

Rule 1 of projects, if its not in the scope, not your fuckin

problem

s3604367 2017-04-08 09:05

I guess so, we've worked just as hard to understand the framework compared to Java

s3604367 2017-04-08 09:05 twice*



s3601725 2017-04-08 09:06

Yeah I wouldn't be worried about not getting a good mark, from what I could tell we were doing very well compared to everyone else. Even the ones just doing java projects



s3537901 2017-04-08 09:45

Hey guys anything you want help with? I've been at work all day but I clock off in 15 so I can work on stuff when I get home

- s3604367 2017-04-08 09:49 I'm putting all the user stories together
- s3604367 2017-04-08 09:49
 We need to put everything into the project folder for submission
- **s3604367** 2017-04-08 09:49 Checklist is on Trello
- s3604367 2017-04-08 09:50 I'll make a folder called DOCUMENTS
- **s3604367** 2017-04-08 10:05 I've made a _DOCUMENTS folder on dev
- s3604367 2017-04-08 10:05 https://trello.com/c/JkuiVWfR/77-5-submission-requirements



s3601725 2017-04-08 10:15

Possibly stupid question. I thought homy said we should only have a Monday-Sunday thing for working times, not a week based system?

s3604367 2017-04-08 10:16
I really don't know, the spec says add working time for next month



s3537901 2017-04-08 10:16

I think he said week system because if you have something like a hairdressers you want weekend work times



\$3601725 2017-04-08 10:17

Yeah but then Homy said just do a week system, not the month thing



s3604367 2017-04-08 10:18

@s3604367 uploaded a file: https://sept-

lcij.slack.com/files/s3604367/F4WGJRK1S/pasted_image_at_2017_04_08_08_18_pm.png



s3537901 2017-04-08 10:20

Ah so it's just like an extra thing

- **s3604367** 2017-04-08 10:21 That's for availability though
- **s3604367** 2017-04-08 10:21 Which is confusing
- s3604367 2017-04-08 10:21
 I feel like the assignment is more catered for Java programmers than it is for PHP
- s3604367 2017-04-08 10:46 Okay I've done must of the checklist
- s3604367 2017-04-08 10:47 Now we need the history of slack
- **s3604367** 2017-04-08 10:47 Export it to a pdf