

TERM THREE: PHP Mysql

RATIONALE

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Rational document submission for the website project:
Hospital Website

Subject:

IDV203

Lecturer:

MIKE MAYNARD

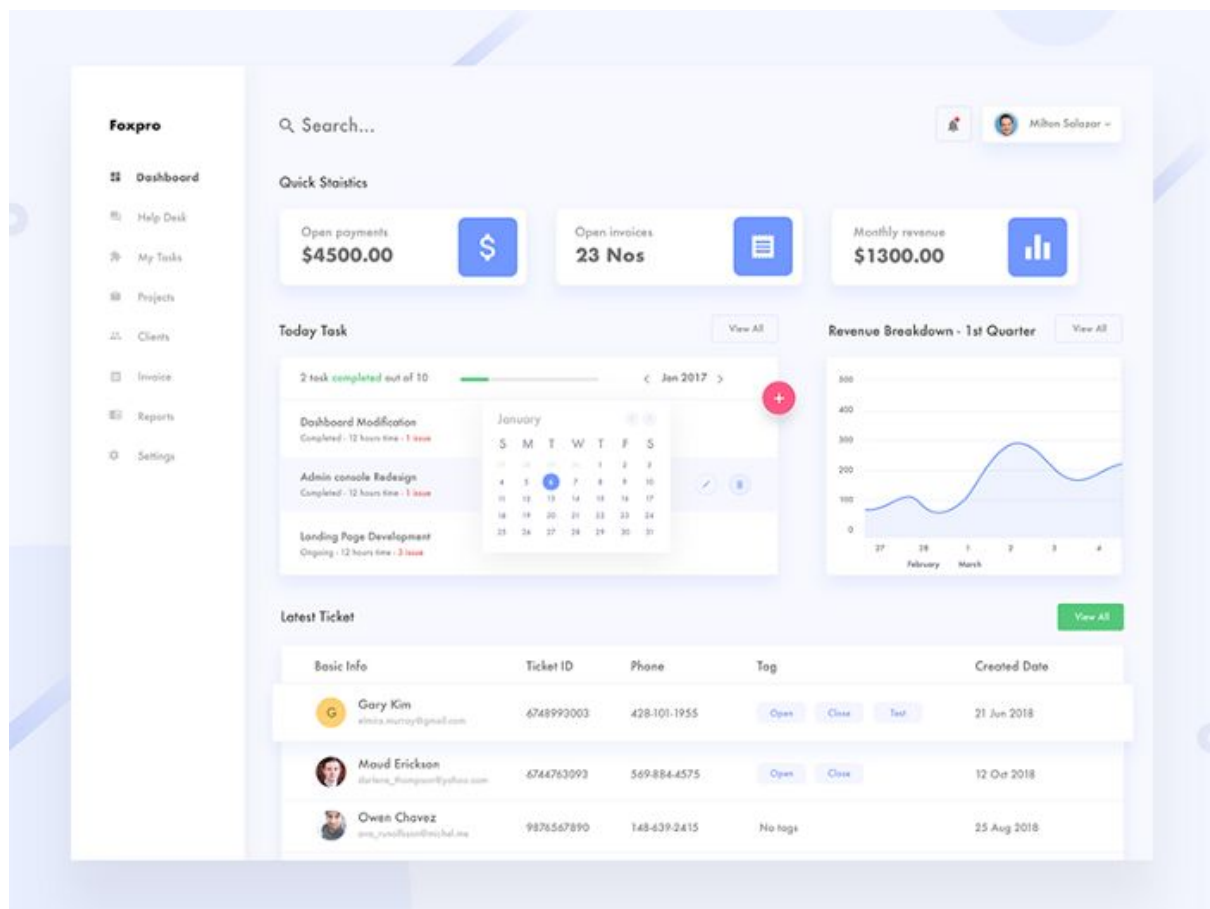
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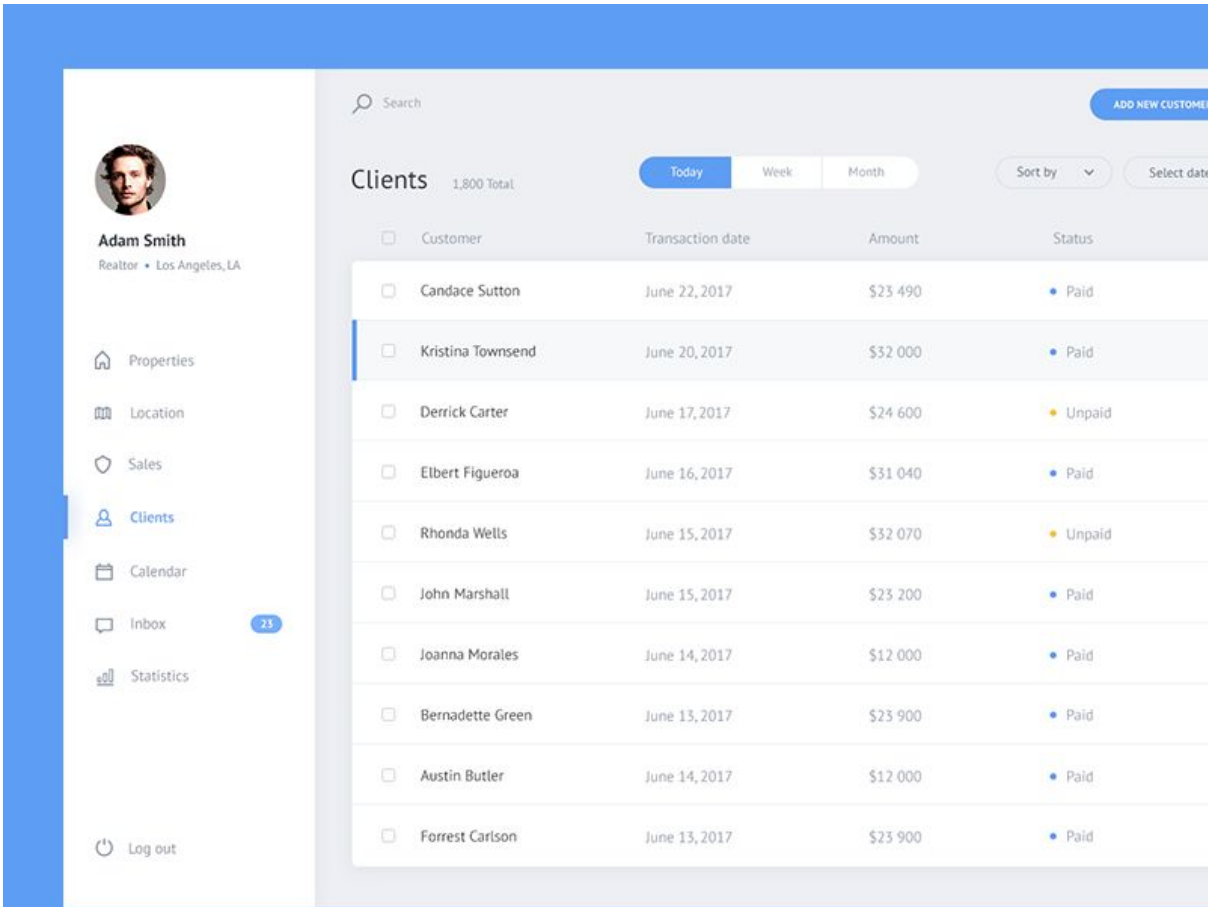
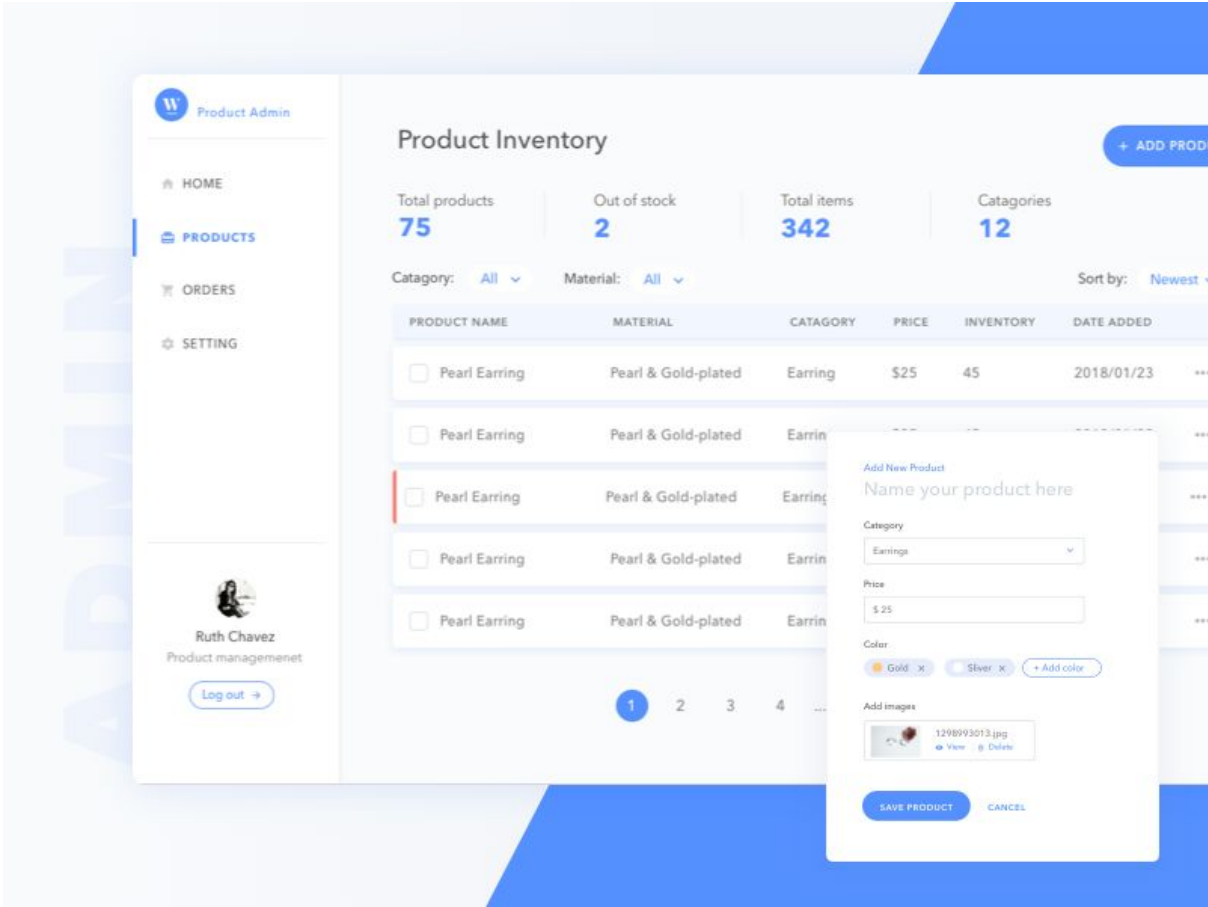
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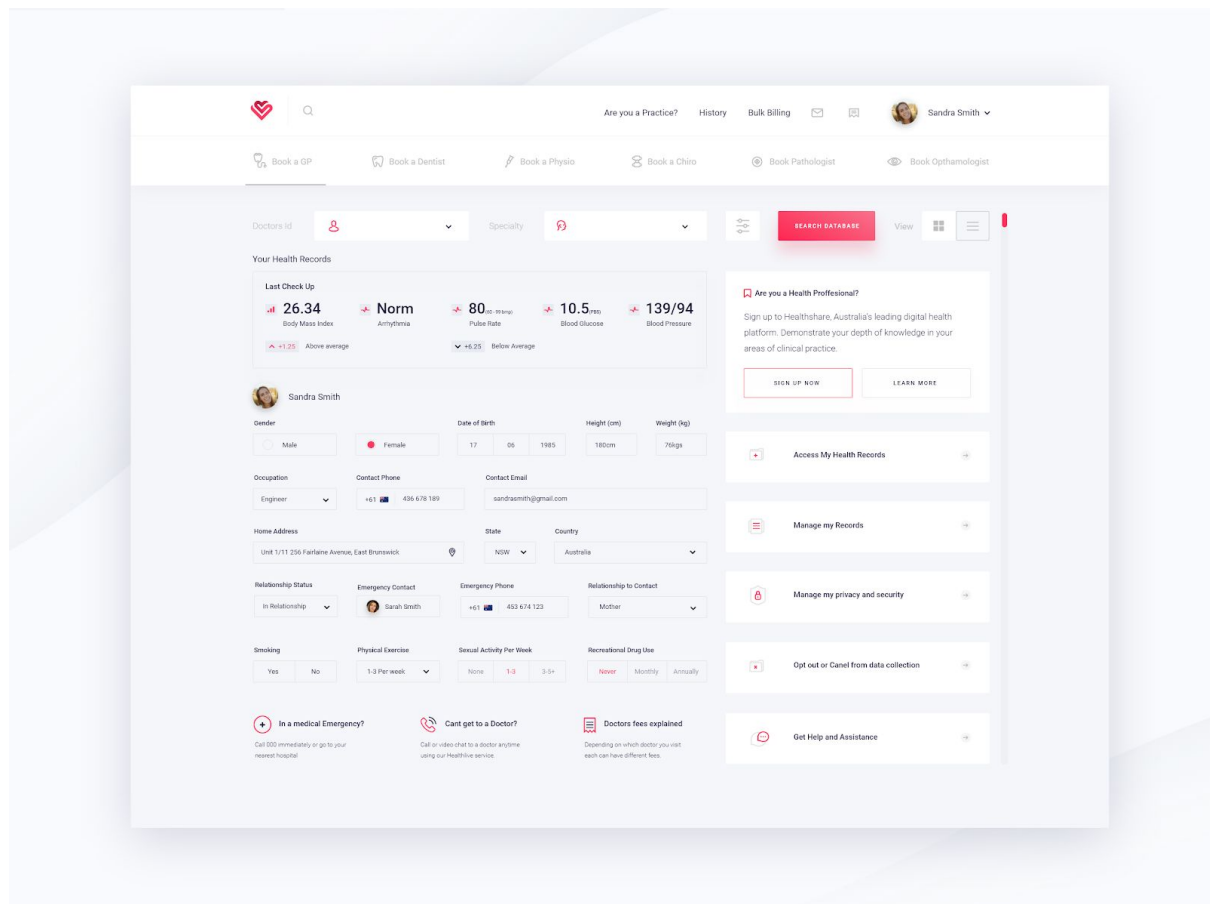
INTRODUCTION:

For this project we were tasked with creating an appointment booking system for a hospital that is dynamically run using PHP and Mysql. We needed to create a server side web application that can create, store and retrieve data about a Doctor , a Patient and An Appointment. I will be creating this site from scratch using what I learnt throughout the term and what I have learnt from the tutorials.

INSPIRATION:







PLANNING:

The first bit of planning I did was I created some wireframes for my site based on the criteria laid out by the brief, I listed all the things I think I would of needed and then I created my wireframes making sure that I didn't leave anything out. Then I made a database based on what the criteria required, this was somewhat useful but ultimately I made way too many columns and included things that weren't necessary so In the end I ended up making an entirely new database. I think you can only really design your database when you know how php works and how you can push things into a table in php and what php can do. After this I made my site in plain html with some dummy content so I knew where things would go in php. My site ended up changing quite a lot from what I had designed with plain html. It was when I was creating my actual functioning php page that I decided to use jquery to navigate as I thought it would make things a lot faster and I thought I could add some nice animations which I did for my login page. I also decided to use JQuery to validate inputs and I used html to validate the type of data being put into an input, I did it like this because it makes things a lot simpler and faster as with these you don't need to submit the form to see if you've missed something or if you need to fill

something out, You can see right away if you have missed an input or put in some wrong data.

SCREENSHOTS:

Old Website and Table Design

Name	Appointments	Email	Phone Number	Medical Aid
Cool Dude	2	cooledude@gmail.com	90990202	233232
Adam Stewart	2	Adam Stewart@hotmail.com	07455822432	150057

Log In

LOG IN →

Not a member yet?
Click here

Sign Up

SIGN UP

Already a member?
Click here

View appointments

1

Doctor

Patient

Room

Time

Cancel

Username

CREATE

APPOINTMENTS

PATIENTS

DOCTORS

Sign Out

Add a patient

Add A New Pateint

Name

Medical aid

email

phone

ADD

Find A Patient

Name

FIND

INSIGHTS:

Over the term I think I have gained a pretty good understanding of php and how it works for the most part (besides error troubleshooting) and also I now have a real understanding of how something like a login system works, how a database is made and managed and how a database can be used to display information on a page. For the most part I didn't really have any troubles with php that I couldn't fix within an hour or so but the one thing that I really had trouble with was making sure that no duplicate doctors, patients or users could be made, I tried quite a bit to resolve this issue and the best I got was that it would either not let any be made or let all be made. I think that the problem is with the values we use to run the query and the check not being reset when an entry is found because if you change the query conditions to

let it work, two entries are made, one for the old data that was stopped from being inserted and one for the new data that you have just put in. There are a few things I would have liked to do design wise with this project, one was to have the edit pages be modals that you can just close and edit without having to go away from the main page, another is I wish I could have given everything a bit more life, everything seems a bit dull and lifeless on my site, I would like to have a bit more colour and pictures and some more animations. Last Thing I wanted to do was to get my jquery class switching to save to the cookies so when I refreshed it wouldn't show the default visible blocks but rather the blocks of the area I was last on.

PLAGIARISM FORM:



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3. Acknowledgement was given accordingly to reference made to other sources' work / projects / ideas / concepts / theories, etc., whether extracted from a source in a digital, printed or verbal nature.
4. The submitted project does not belong to any current or previous student, or been copied from any current or previous student's work / projects / ideas / concepts / theories, etc.
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Subject and Level IDV 203

Project submitted Hospital Booking Website

Student's signature  Date 14 / 06 / 2018.