lodafones

A mobile phone shop designed and built by:

The Admirable Owls

Date: 10.06.2020

Elevator pitch

- Gives customers the flexibility of third party sim plans
- Adds competition to the big 3 telecommunication companies
- Give users a platform to pay for phones on a month basis

lodafones

Concept

- A simple user friendly web page, that allows users to search or browse through a collection of phones where they can add to cart to be purchased.
- Motivation for development: We don’t want our users to be restricted to the major companies and their limited and overpriced plans when purchasing a new phone.

lodafones

User Story

- As a user, I want to buy a new phone without paying outright and also keeping my plan with a third party plan provider.
- I WANT to be able to search for a phone based on the price and brand, SO that I can see which phones match my criteria.
- WHEN I click on a mobile phone that i would like to buy, THEN I am presented with a selection of colours and features, SO that I can pick the one I would like.
- WHEN I select a colour and click Add to Cart, THEN the selected mobile phone will be added to my shopping cart.
- WHEN I'm ready to checkout, THEN I click on the checkout button to fill out my personal details and finalise my payment.

lodafones

Process

- Technology used
- Breakdown of tasks and roles
- Challenges
- Successes

Technologies used

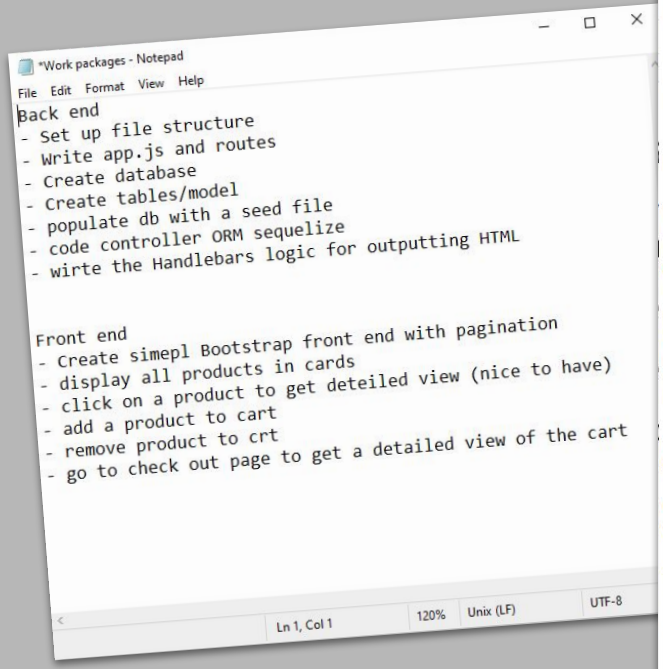
- ✓ Must use a Node and Express server
- ✓ Must use Handlebars.js as the template engine
- ✓ Must be backed by a MySQL database with a Sequelize ORM
- ✓ Must utilize both GET and POST routes for retrieving and adding new data
- ✓ Must be deployed using Heroku (with data)
- ✓ Must utilize at least one new library, package, or technology that we haven't discussed - (NPM Lazyload)
- ✓ Must have a polished front end/UI
- ✓ Must have a folder structure that meets the MVC paradigm
- ✓ Must meet good quality coding standards (indentation, scoping, naming)
- ✓ Must protect API keys in Node with environment variables

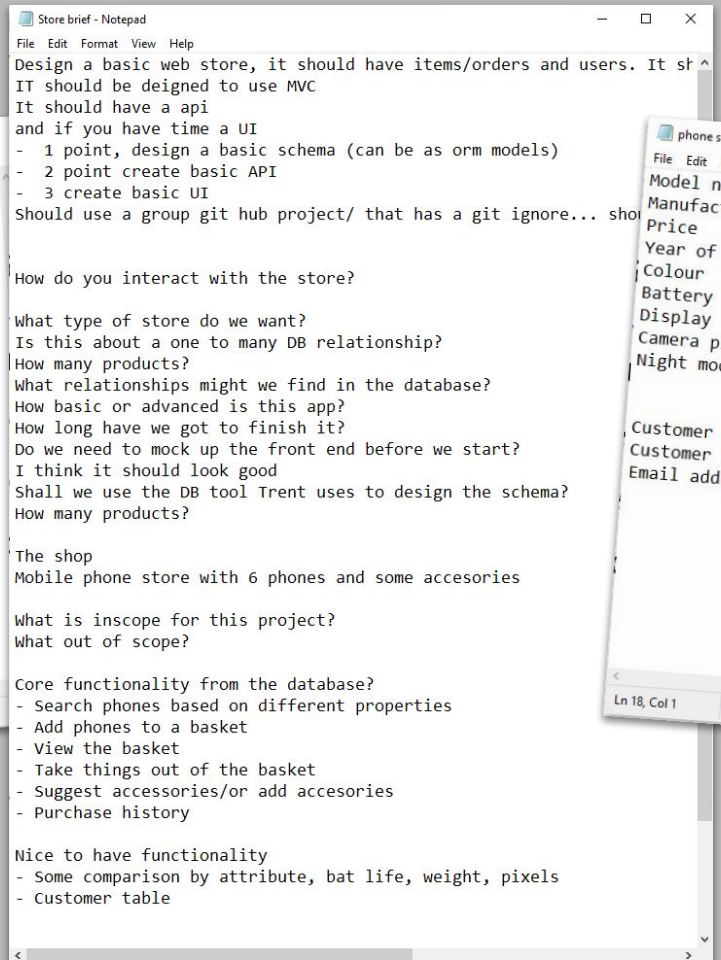
lodafones

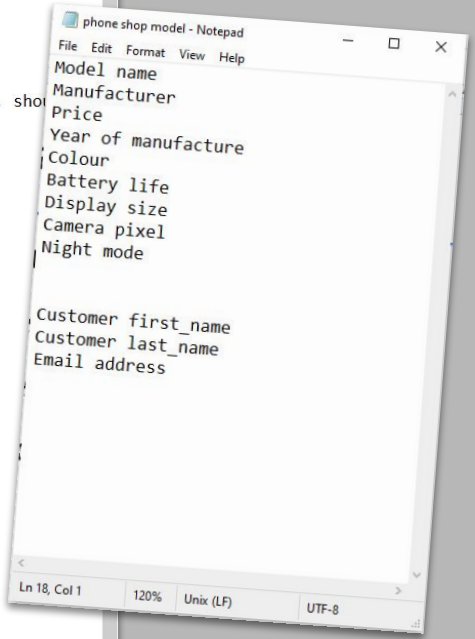
Breakdown of tasks and roles

1. Notes - mind mapping
2. Work packages into Google sheets
3. Work packages into GitHub Kanban
4. Monitoring progress from Kanban

Notes and mind mapping

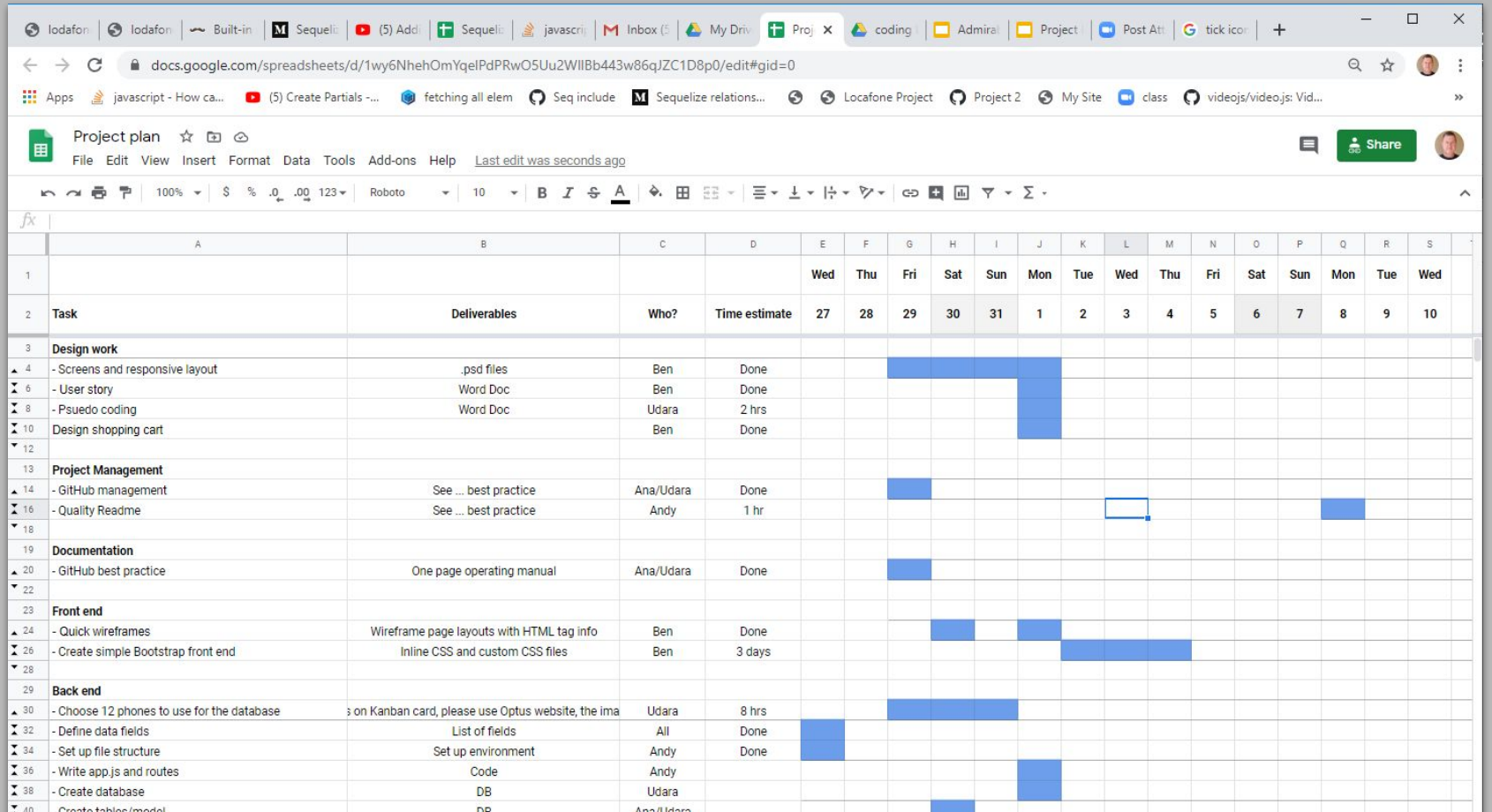






lodafones

Work packages into Google sheets



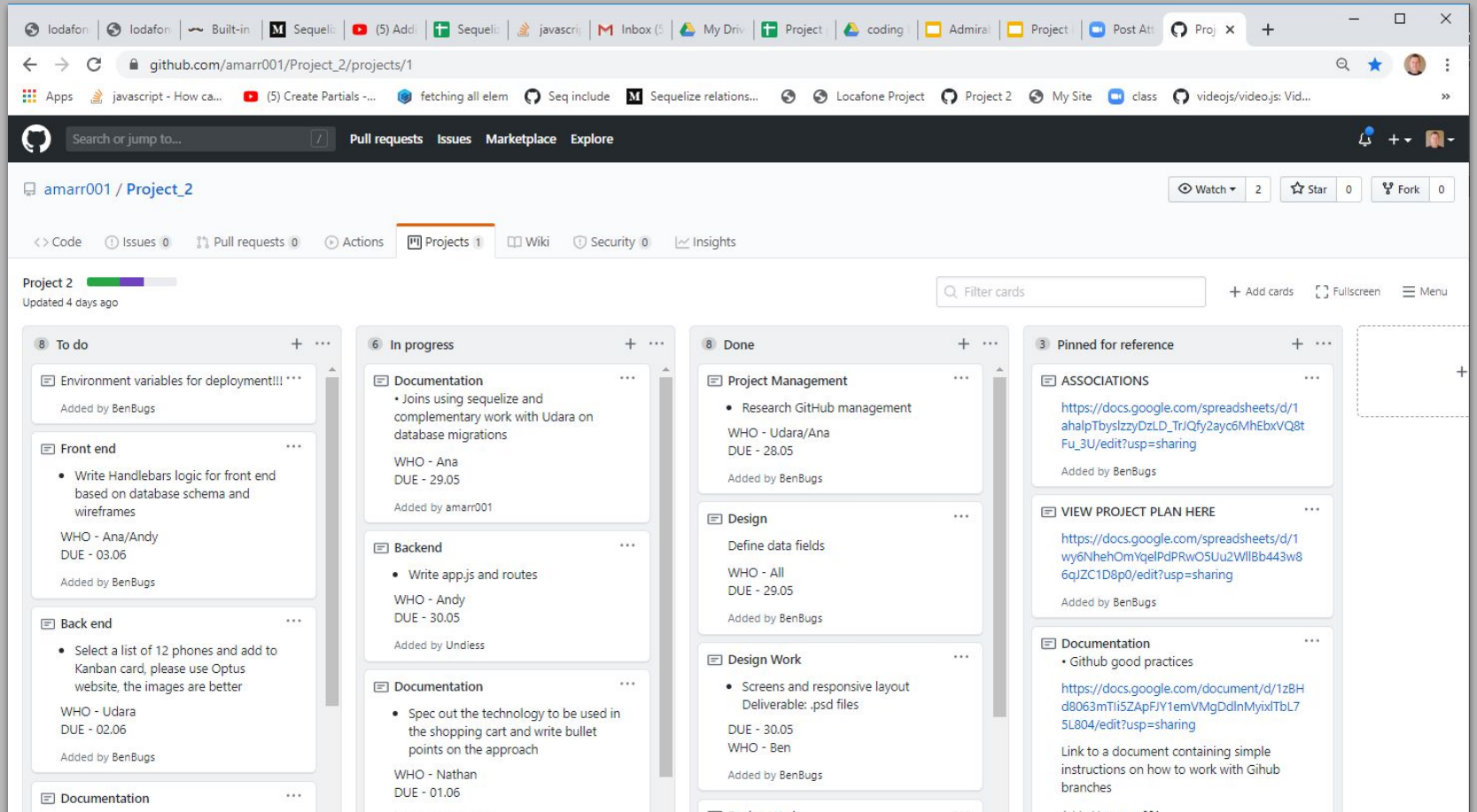
Project plan

File Edit View Insert Format Data Tools Add-ons Help Last edit was seconds ago

Share

	Task	Deliverables	Who?	Time estimate	Wed 27	Thu 28	Fri 29	Sat 30	Sun 31	Mon 1	Tue 2	Wed 3	Thu 4	Fri 5	Sat 6	Sun 7	Mon 8	Tue 9	Wed 10
3	**Design work**																		
4	- Screens and responsive layout	.psd files	Ben	Done															
6	- User story	Word Doc	Ben	Done															
8	- Psuedo coding	Word Doc	Udara	2 hrs															
10	Design shopping cart		Ben	Done															
12																			
13	**Project Management**																		
14	- GitHub management	See ... best practice	Ana/Udara	Done															
16	- Quality Readme	See ... best practice	Andy	1 hr															
18																			
19	**Documentation**																		
20	- GitHub best practice	One page operating manual	Ana/Udara	Done															
22																			
23	**Front end**																		
24	- Quick wireframes	Wireframe page layouts with HTML tag info	Ben	Done															
26	- Create simple Bootstrap front end	Inline CSS and custom CSS files	Ben	3 days															
28																			
29	**Back end**																		
30	- Choose 12 phones to use for the database	s on Kanban card, please use Optus website, the ima	Udara	8 hrs															
32	- Define data fields	List of fields	All	Done															
34	- Set up file structure	Set up environment	Andy	Done															
36	- Write app.js and routes	Code	Andy																
38	- Create database	DB	Udara																
40	- Create tables/model	DB	Ana/Udara																

GitHub Kanban



GitHub best practice

Working with branches in Git and Github:

Create your new branch: **git checkout -b BranchNameHere**

(this command creates the branch and automatically switches to it)

You can check how many branches your repository has and in which branch you are at (asterisk next to it) with the command: **git branch -a**

Push your branch to the remote repository:
git push -u origin feature_branch_name

To toggle back and forth between branches: **git checkout branchName**

Make commits **at logical points** and name it so others can understand what you have done and why

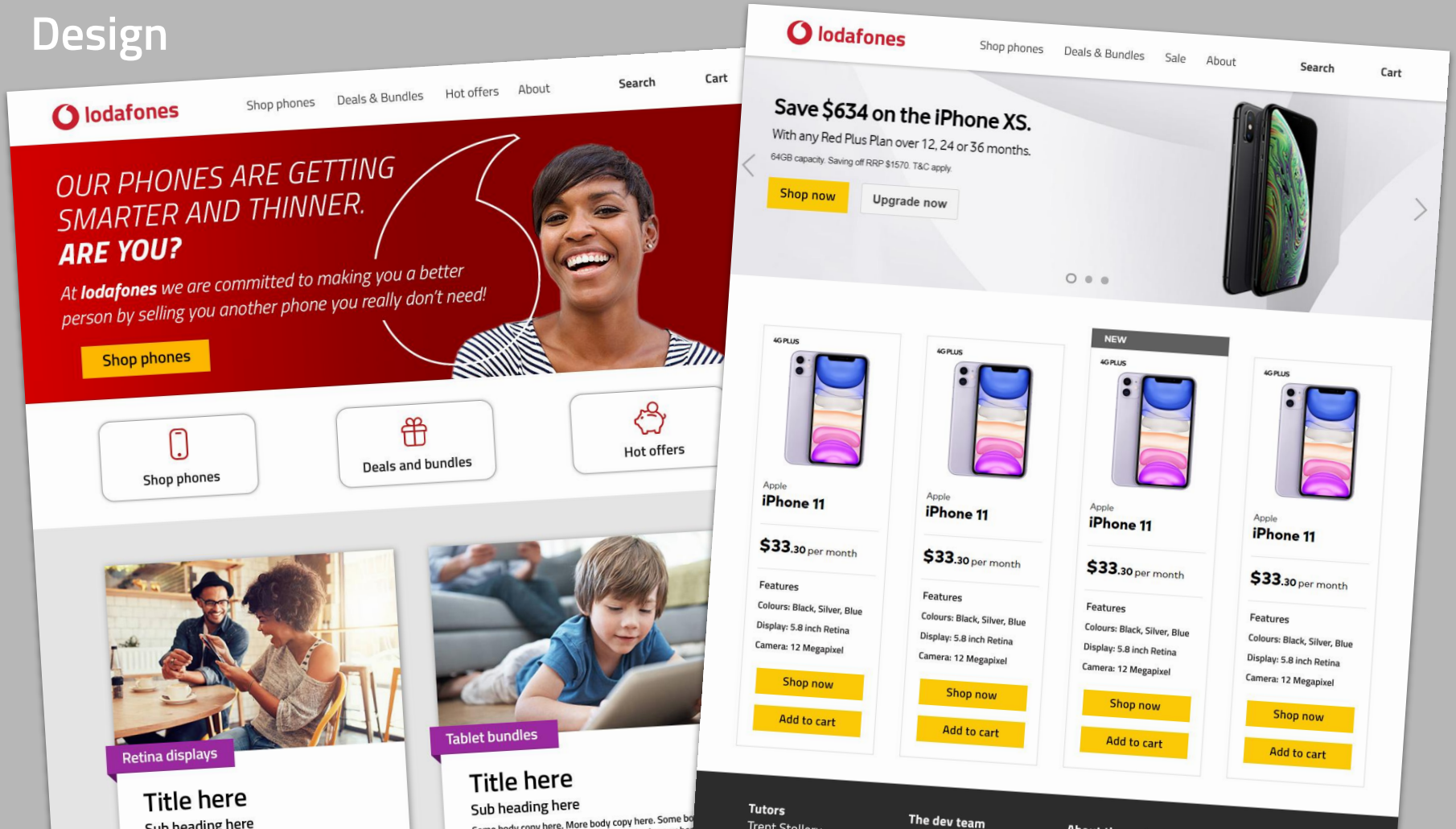
When merging (moving code between branches) **we need to be on the branch that we want to merge to.**

Once on the master branch (if this is the branch you want to merge your code to), run the merge command: **git merge branchName —no-ff** (the additional "—no-ff" tells git we want to retain all of the commit messages prior to merge, this makes tracking changes easier in the future). After merging, run **git push origin master.** If you could not complete the merge and receive this message: You have not concluded your merge (MERGE_HEAD exists), delete the merge by running: **git merge —abort** then **git pull**

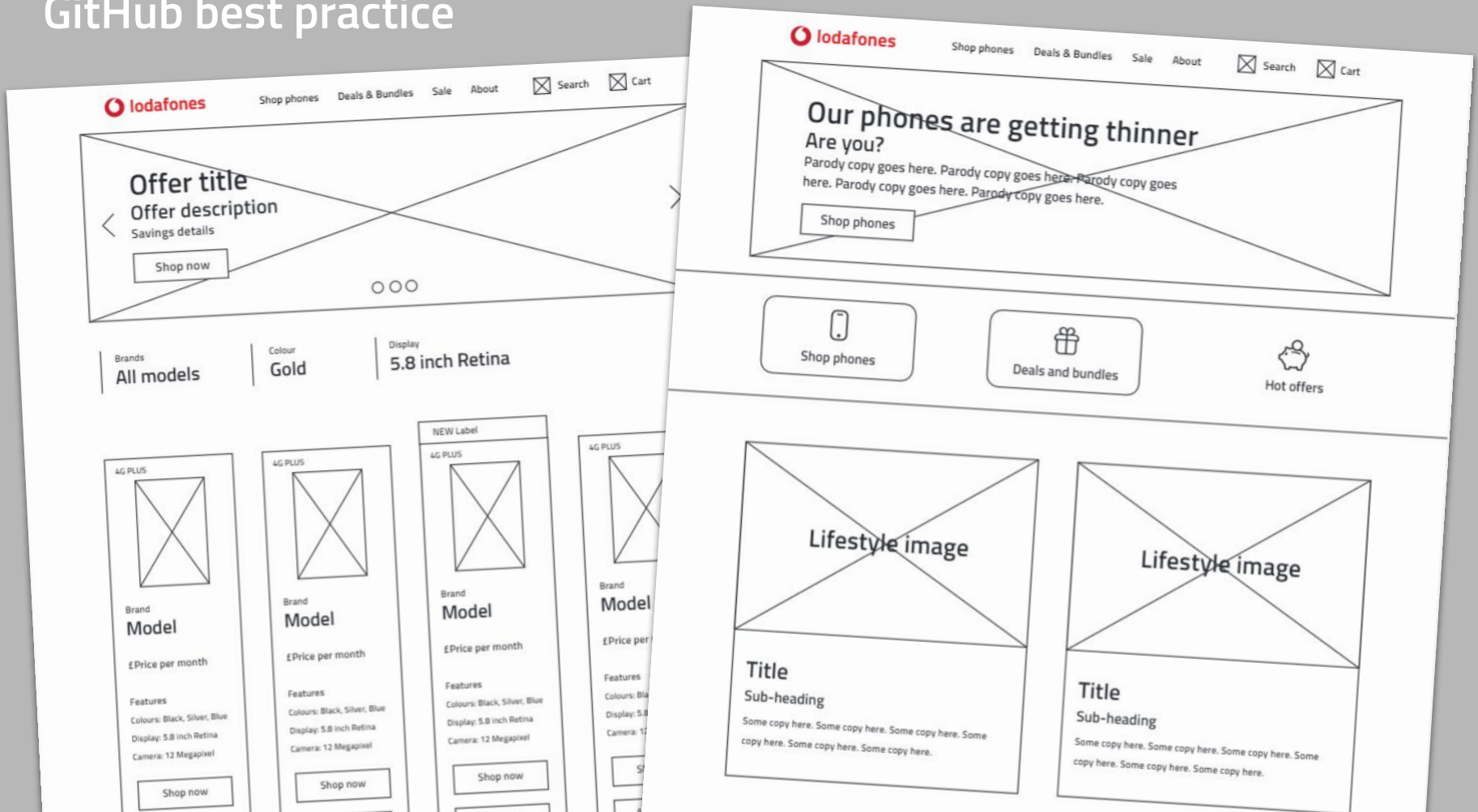
Before making changes in your file within your branch, run a **git pull origin master** so you update your branch with the changes in the master branch. Do it every time a big change is

vodafones

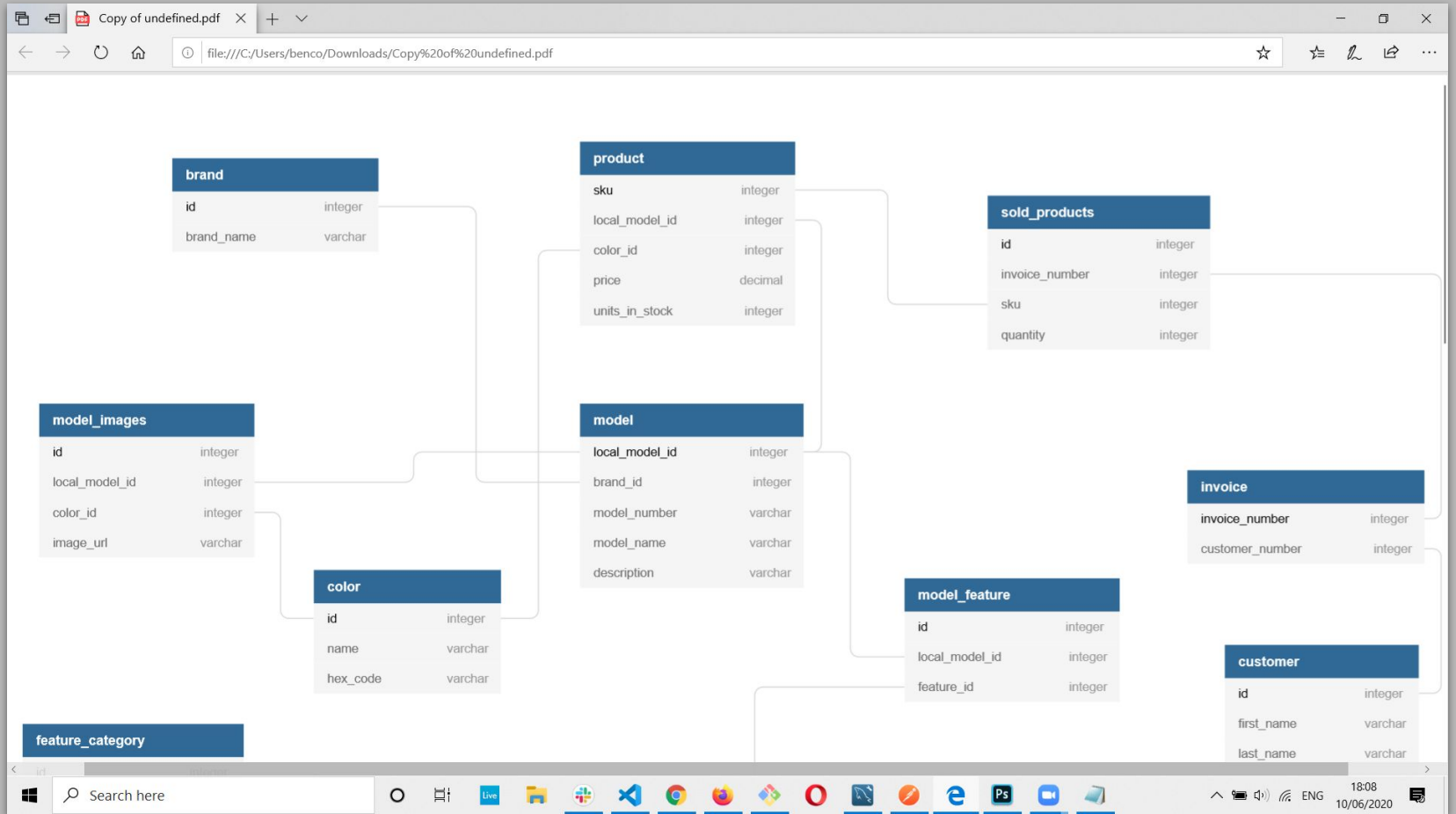
Design


lodafones
Shop phones
Deals & Bundles
Hot offers
About
Search
Cart
OUR PHONES ARE GETTING SMARTER AND THINNER.
ARE YOU?
At lodafones we are committed to making you a better person by selling you another phone you really don't need!
Shop phones
Shop phones
Deals and bundles
Hot offers
Retina displays
Title here
Tablet bundles
Title here
Sub heading here
lodafones
Shop phones
Deals & Bundles
Sale
About
Search
Cart
Save $634 on the iPhone XS.
With any Red Plus Plan over 12, 24 or 36 months.
64GB capacity. Saving off RRP $1570. T&C apply.
Shop now
Upgrade now
4G PLUS
Apple
iPhone 11
$33.30 per month
Features
Colours: Black, Silver, Blue
Display: 5.8 inch Retina
Camera: 12 Megapixel
Shop now
Add to cart
NEW
Tutors
The dev team

GitHub best practice



GitHub best practice



Challenges

- Learning how to use sequelize to build associations in the database
- Unfamiliar with the technology
- Working virtually made the concept stage more tricky
- Aligning expectations on a short project
- New Team - 1. Forming 2. Storming 3. Norming 4. Performing
- Leaving time to consolidate code
- Uncovering obstacles earlier

Successes

- Planning
- Design
- Organisation
- Delegation
- Successful sequelize associations
- Database design
- Organised database
- Collaboration from all team members to keep master branch with relevant code

Directions for future development

- Present recently viewed items to the user
- Retargeting emails sent to users after cart abandonment
- Admin control panel for uploading new products to the database

lodafones

Thank you!