



Lemon Social Network

Bianca Antoci

18.11.2021



Agenda

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- Project Plan
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Introduction

Social networks provide a sense of belonging, stability, and a sense of community in which people may share worries and wants while also supporting others. This project is an initiative that uses the social network to promote a healthy lifestyle [1].

I started this project because I choose to modify my lifestyle a few years ago. After doing some internet research on how to get started, I realised I wouldn't be able to obtain any free help. I discovered some diet pages on Facebook and other social networks, but they were insufficient. This is why I decided to build a social network dedicated solely to healthy living and open to all the people who want to change their life.

Overview

Aim

- The aim of this project is to create a social network to help individuals to start a healthy lifestyle.

Objectives

- To research competitors in the social network health lifestyle market;
- To research target audience;
- To research and analyze necessary programming frameworks (backend and frontend);
- To implement a UX design for each feature of the platform;
- To breakdown the requirements into smaller tasks;
- To code the requirements;
- To QA test every implemented feature;
- To release the frontend and backed to a Cloud provider. [2]

Project Plan Gantt Chart ^[3]



Literature

Social Network Analysis

- Facebook Groups
- Instagram Influencer's pages

Food Behavior Analysis

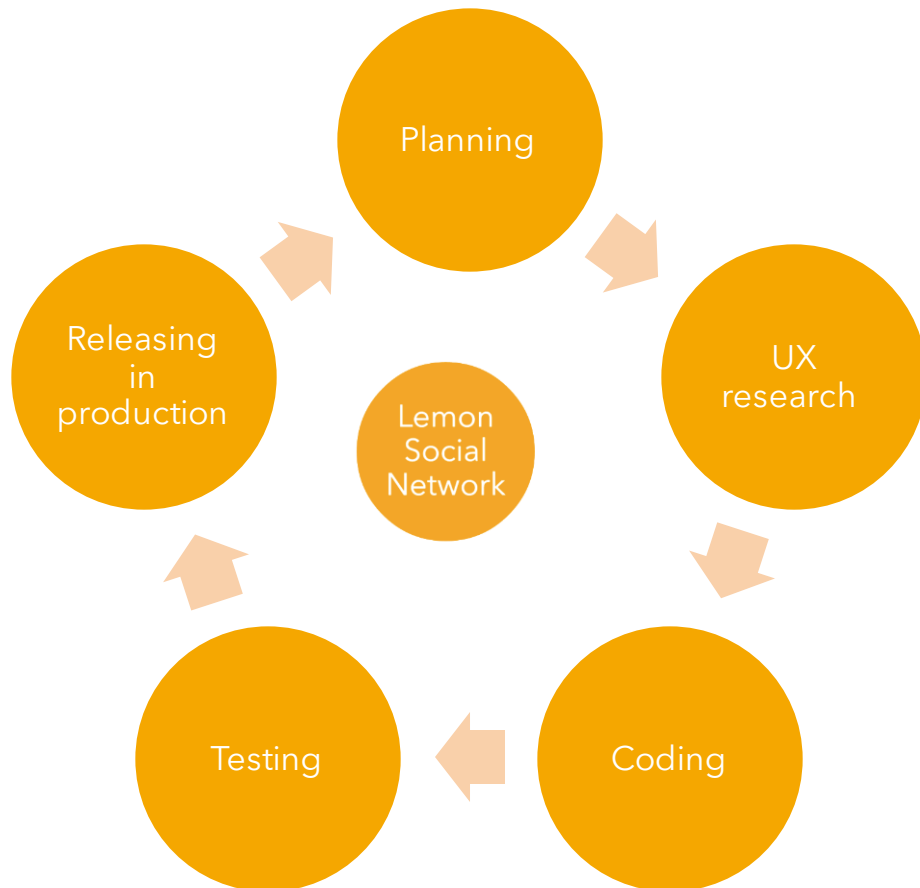
- Healthy and sustainable food systems [4]

Tecnologies Analysis

- Google Cloud and AWS
- Angular and React Framework

Methodology

Agile methodology has been used to break down this project into smaller tasks. [5]



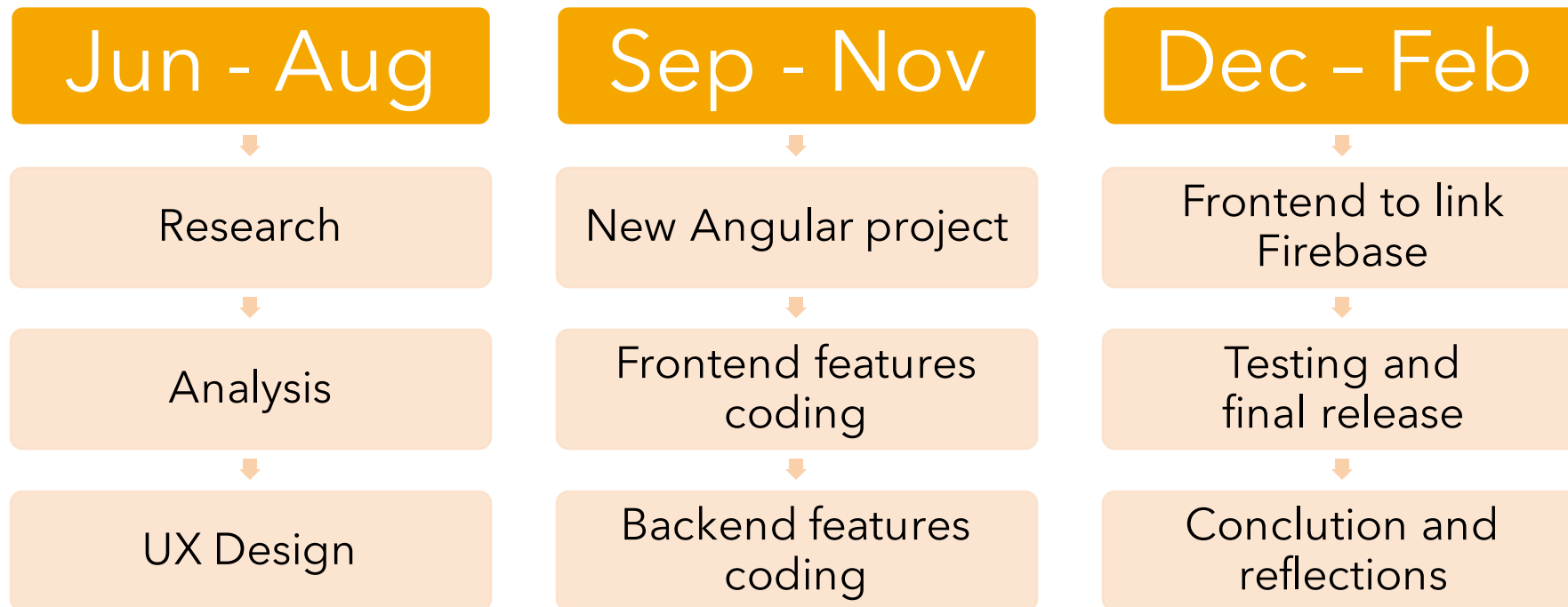
Frontend

- Angular

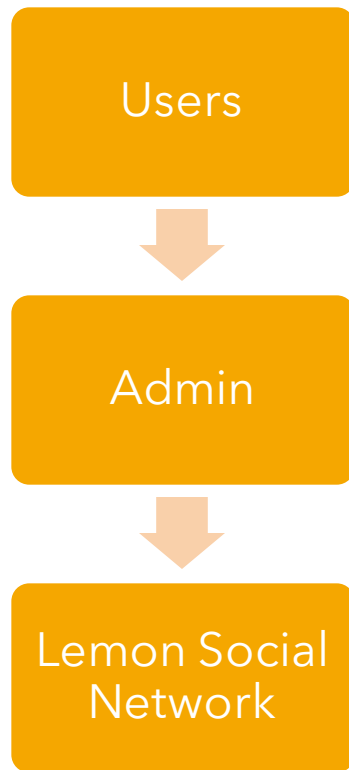
Backend

- Firebase
- Google Cloud

Project Plan [6]



Requirements Analysis [7]



Requirments

- Functional requirements
- Non-Functional requirements

Functional requirements [7]

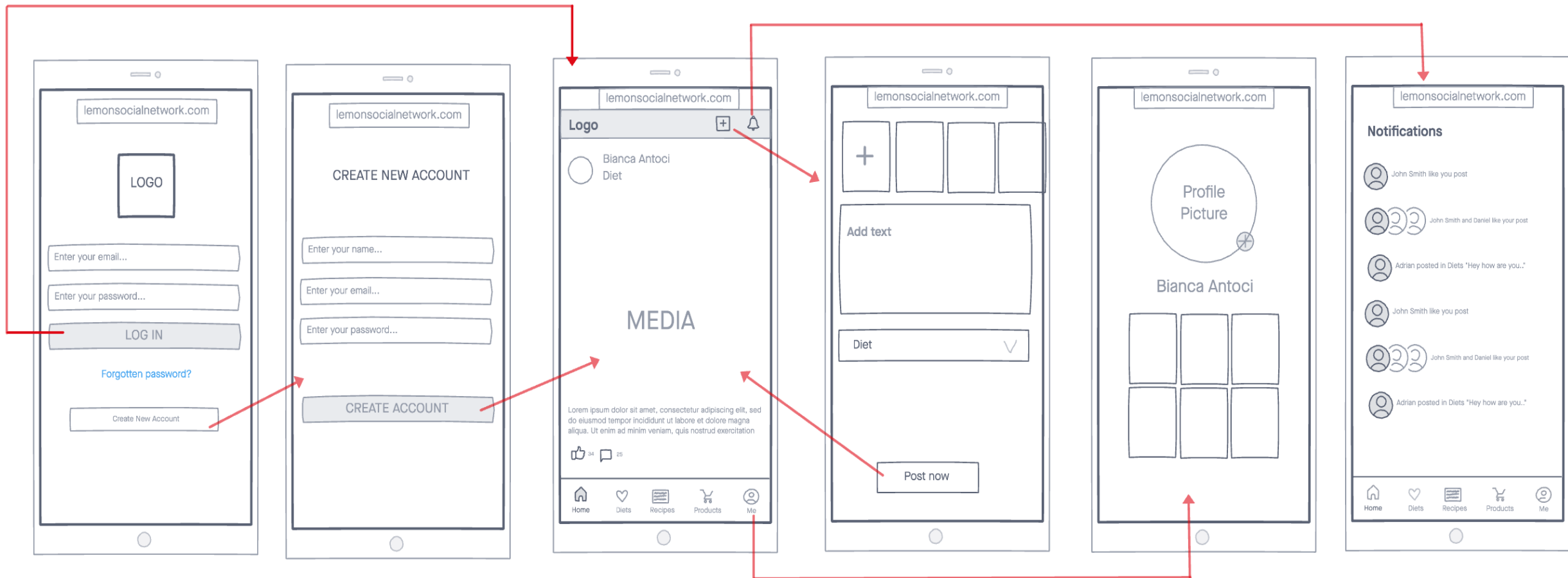
Requirement USER	Feature	Implementation
As a user I should be able to login with Google and Facebook	Login	Frontend and Backend
As a user I should be able to navigate	Navigation	Frontend
As a user I should be able to see the home page with all posts	Activity stream	Frontend
As a user I should be able to scroll and see more posts after the 5th post	Activity stream	Frontend and Backend
As a user I should see the products page	Activity stream	Frontend and Backend
As a user I should see the diets page	Activity stream	Frontend and Backend
As a user I should see the profile page	User Profile	Frontend and Backend
As a user I should see the list of notifications	Notification's page	Frontend and Backend
As a user I should be able to create a new post	Creating post	Frontend and Backend

Requirement ADMIN	Impact
As an admin user I should be able to delete any user	User accounts
As an admin user I should be able to delete any post created by any user	Content
As an admin user I should restrict access to any registered user	User access
As an admin user I should see the last deployment of the frontend and backend	Deployments

Non-functional requirements [6]

Requirement	Impact
Users should be allowed to use other social logins like Google and Facebook to reduce security risks	Login security
The system should use a JWT token exchange	Backend security
The JWT short-lived token should expire in 60 seconds	Backend security
The backend should be capable to handle at least 1000 simultaneous users or 1000 requests per second	Backend scalability
The Angular frontend should be tested against SQL injections	Frontend security
The Angular frontend should use HTTP only cookies	Frontend security
The Angular frontend should be accessible from any mobile device with Android 4.4 or iOS 8 and above	OS requirements
The Angular frontend should adapt to any screen size above 470dp x 320dp	Responsiveness
The Angular frontend should be accessible on browsers like Chrome, Edge and Safari	Browser compatibility

UX DESIGN [8]



Conclusion



Research

Implementation

Release



References

- [1] University of Minnesota's, “Grow Your Social Network,” Taking Charge of Your Health & Wellbeing.
- [2] K. M. W. Mitchell and W. R. Manzo, “The Purpose and Perception of Learning Objectives,” Journal of Political Science Education, vol. 14, no. 4, pp. 456–472, Feb. 2018.
- [3] D. Kolich, V. Brandic, D. Jaki, and L. Novak, “Lean Methodology to Transform Shipbuilding Panel Assembly,” Journal of Ship Production and Design, 2016.
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- [5] E. Ochieng, A. Price, and D. Moore, Major infrastructure projects : planning for delivery. London: Palgrave, 2017.
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THANK YOU

