

1. A summary paragraph of the product idea:

Product name: Instagram

Instagram is here to bring you closer to the people you love the most and love spending time with. We give you a safe environment to spread happiness and join and expand the community. Take your photography passion or profession to the next level. We provide a click-swipe-like platform to help you increase your product marketing. We are here to help you with the modern and evolving user-friendly modes to share your products with a world-class audience. Use our Posts, Stories, Highlights, Reels, Live podcasts, Shopping tab, etc. to expand your business to the next level.

Now you can avail yourself of the option to customize your view content, allowing all age groups to use our platform for every type of content and entertainment.

Allow your Business to grow rapidly with the new Audience AI feature which analyses the audience attracted to your business and provides you with timelines to target the marketing to these types of audiences. Reach to the greater influencers with Aesthetics meeting your business fragrance.

Let's share the platform with help of the community for the community.

2. A mission statement

Instagram is a platform that connects people through photos and videos, enabling them to share their experiences with the world and inspire others to do the same. Our mission is to bring people closer together and help them discover new and meaningful connections through the power of visual storytelling. We strive to create a safe, inclusive, and engaging community for all of our users, and to provide them with the tools and resources they need to share their authentic selves and create content that resonates with their followers. We believe that through the simple act of sharing photos and videos, we can build a more open, authentic, and connected world.

3. A Gantt chart of the work over the next 6 weeks

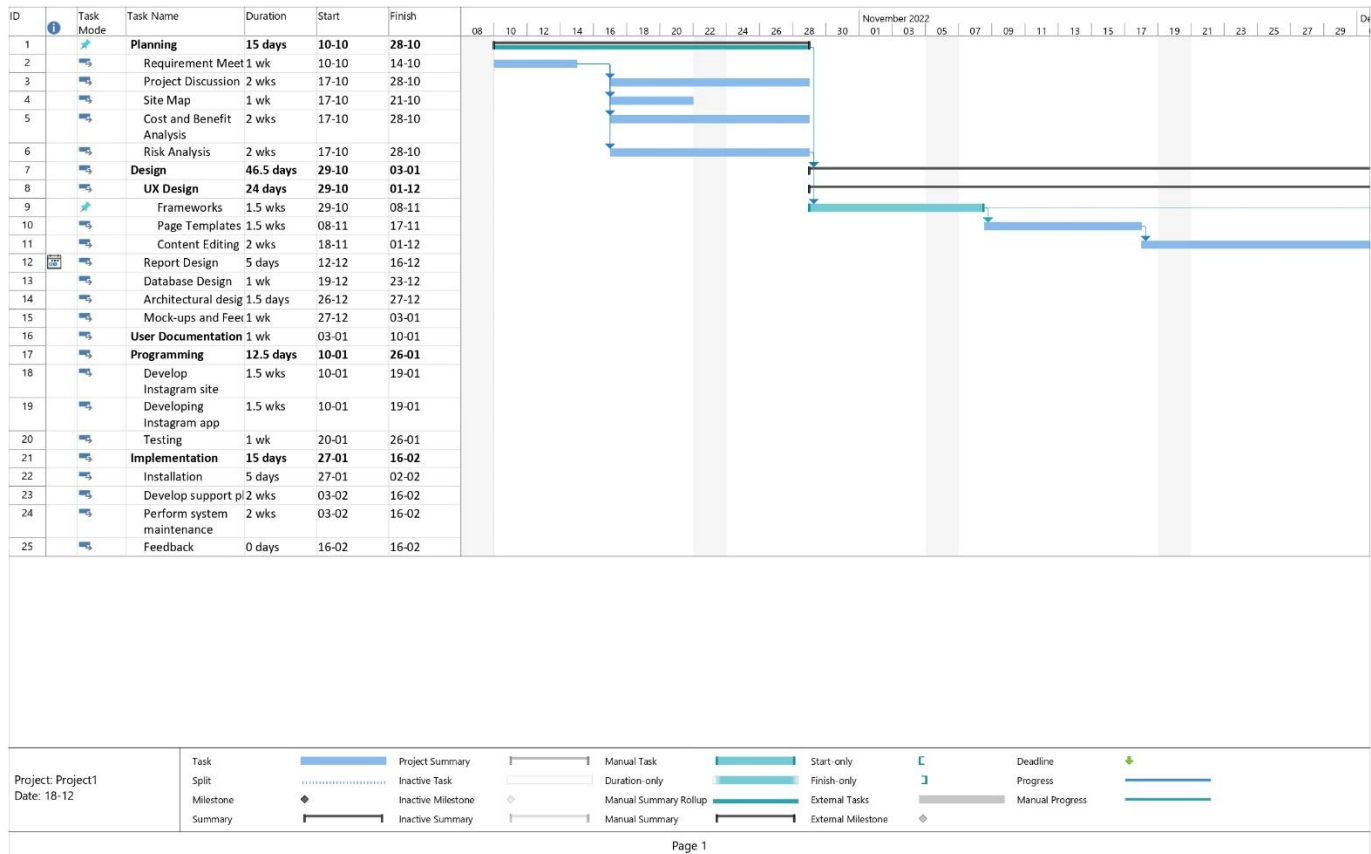


Fig 3.1

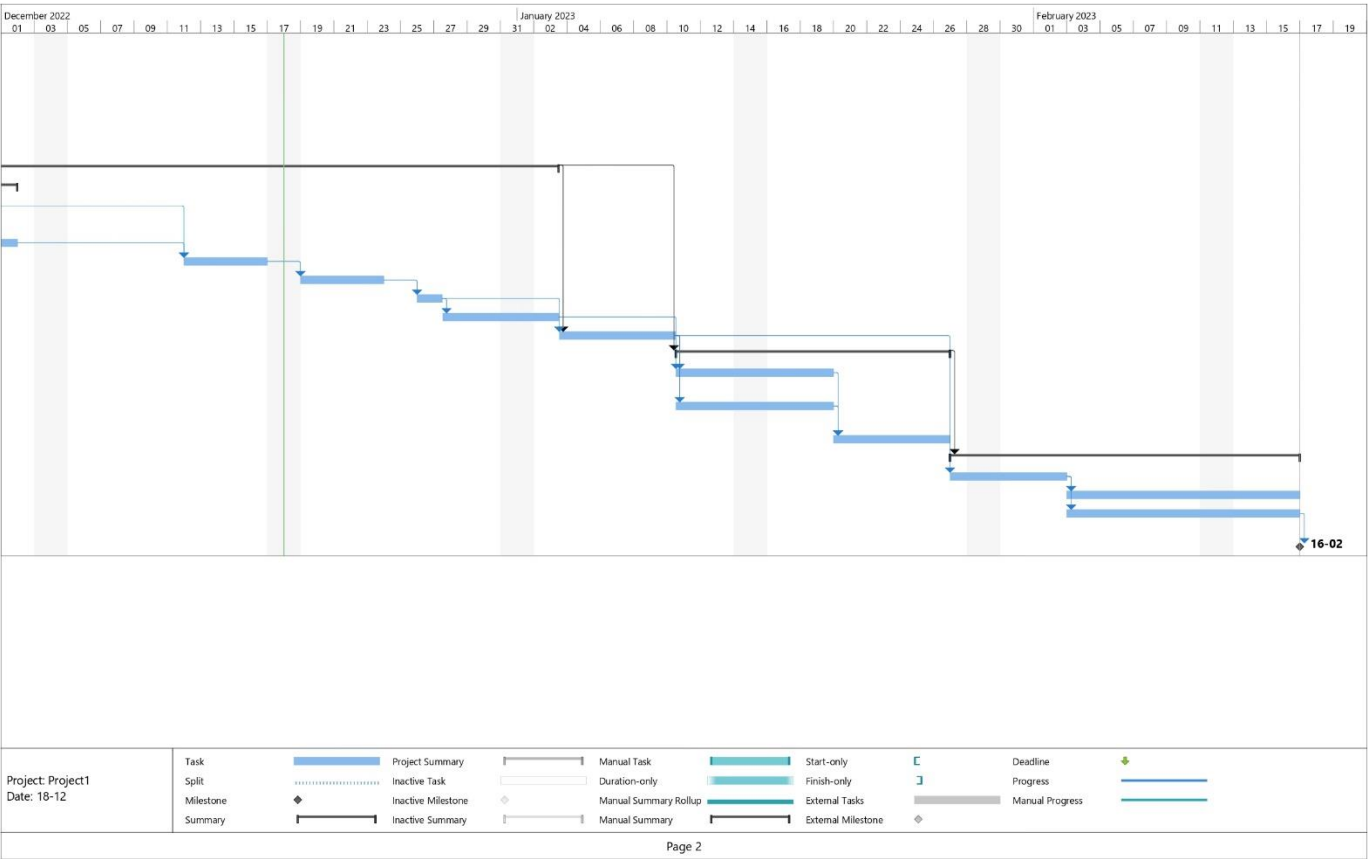


Fig 3.2

4. A data flow diagram of the proposed product

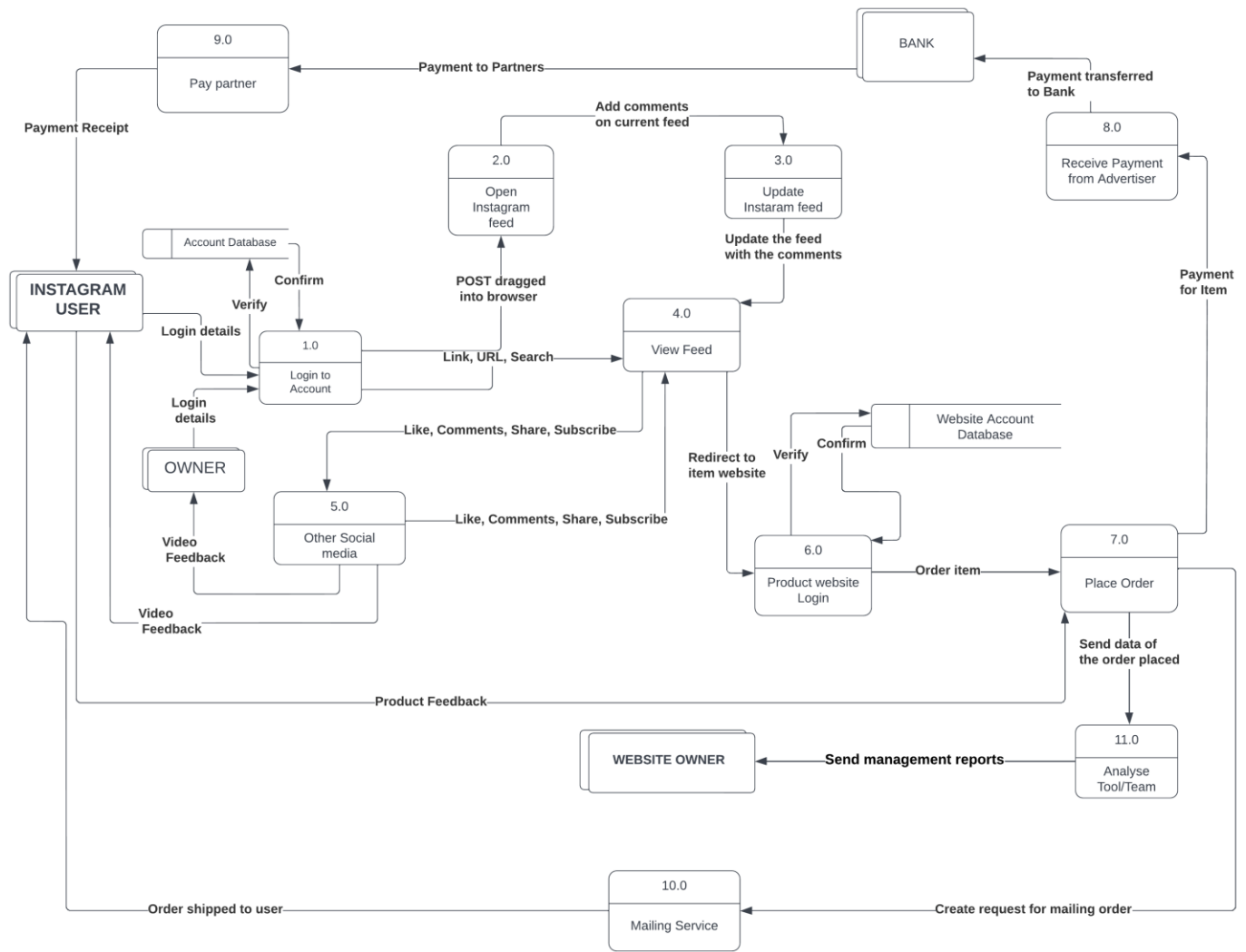
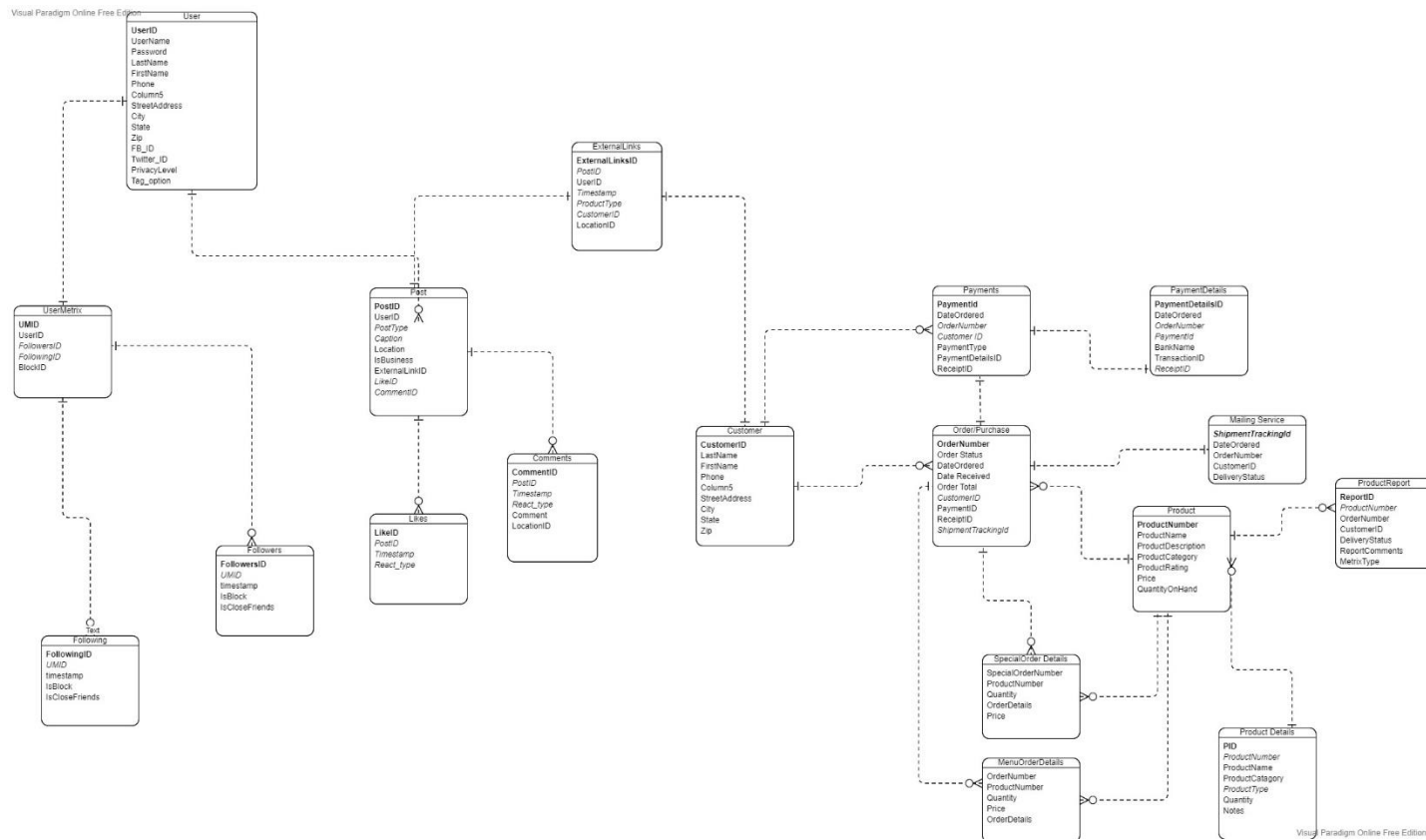


Fig 4.1

5. An ER diagram of the back end's proposed database



6. 5-7 user facing screens / prototype, describing the user flow:

6.1 UI: Desktop Webpage

Page 1: Sign in/Sign up page

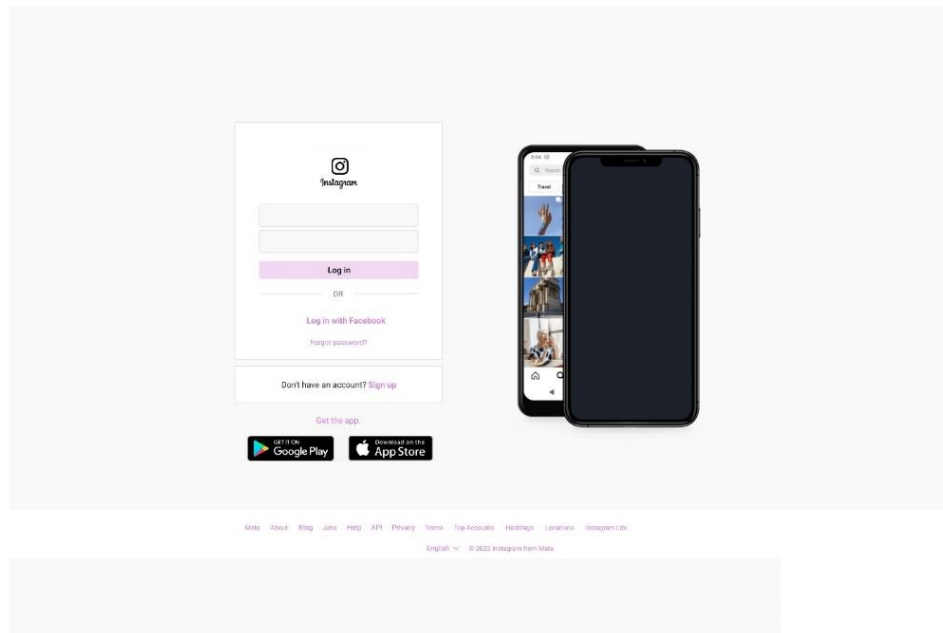


Fig 6.1.1

Page 2: Home Page

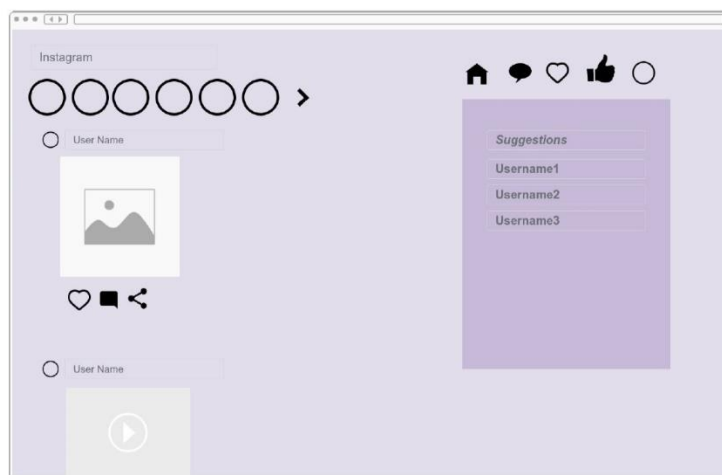


Fig 6.1.2

Page 3: Create New Post – Part 1

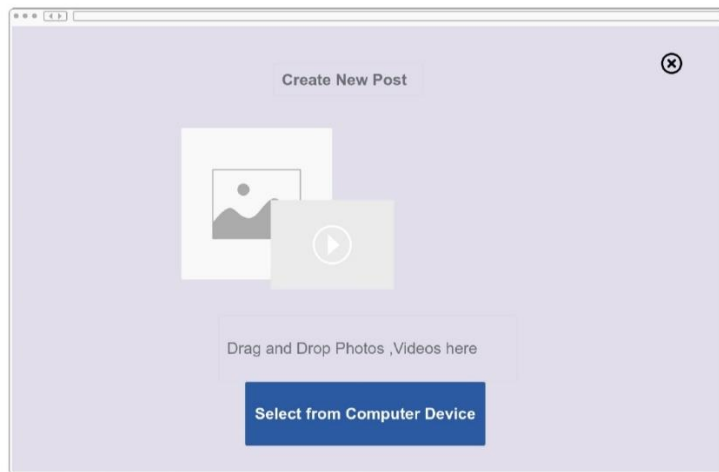


Fig 6.1.3.1

Page 4: Create New Post – Part 2

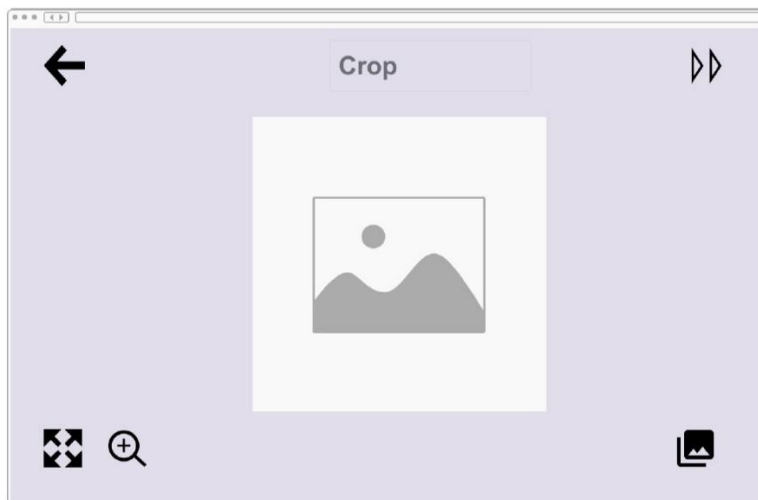


Fig 6.1.3.2

Page 5: Create New Post – Part 3

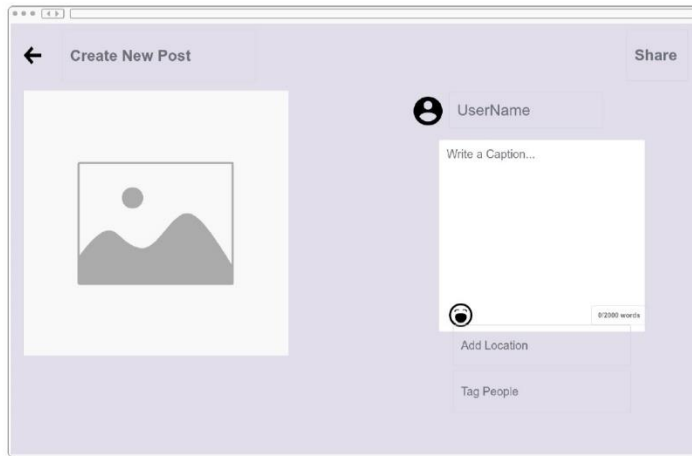


Fig 6.1.3.3

Page 6: Settings >Help

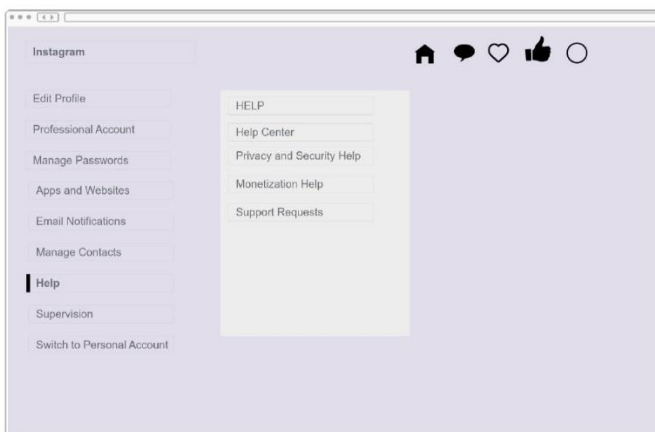
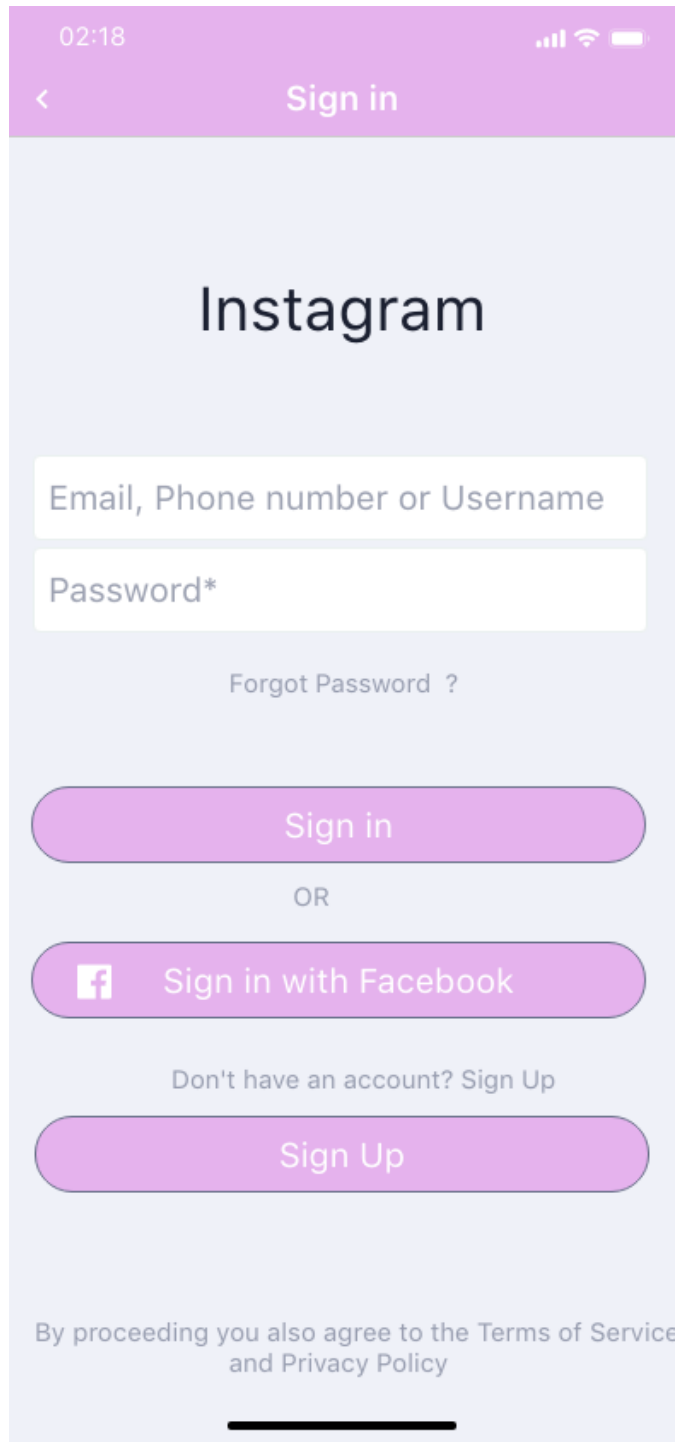


Fig 6.1.4

6.2 UI: IOS

Page 1: Sign up/Sign in page



A mobile app UI mockup for the Instagram sign-in/sign-up page. The interface is displayed on a light purple background. At the top, a status bar shows the time 02:18, signal strength, Wi-Fi, and battery icons. Below this is a purple header bar with a back arrow and the text "Sign in". The main content area is light purple and features the "Instagram" logo in a large, dark font. Below the logo are two white input fields: "Email, Phone number or Username" and "Password*". A link "Forgot Password ?" is positioned below the password field. A large, rounded purple button labeled "Sign in" is centered below the input fields. Below this button is the text "OR". A second rounded purple button, labeled with the Facebook "f" logo and "Sign in with Facebook", is positioned below the "OR" text. Below this button is the text "Don't have an account? Sign Up". A third rounded purple button labeled "Sign Up" is centered below the text. At the bottom, a line of small text reads "By proceeding you also agree to the Terms of Service and Privacy Policy". A black horizontal bar is located at the very bottom of the screen.

02:18

< Sign in

Instagram


Email, Phone number or Username

Password*

[Forgot Password ?](#)

Sign in

OR

 Sign in with Facebook

Don't have an account? Sign Up

Sign Up

By proceeding you also agree to the Terms of Service and Privacy Policy

Fig 6.2.1

Page 2: Verify number

02:15

< Verify phone

We sent you a code
to verify your number.

Sent to (292) 734-1819

Code

Didn't get it? Send a new code

Next

1
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
0

✕

The image shows a mobile application interface for verifying a phone number. At the top, the status bar displays the time 02:15, signal strength, Wi-Fi, and battery icons. Below this is a purple header bar with a back arrow and the text 'Verify phone'. The main content area has a light blue background and contains the text 'We sent you a code to verify your number.' followed by 'Sent to (292) 734-1819'. A white text input field labeled 'Code' is positioned below the text. Underneath the input field is a link that says 'Didn't get it? Send a new code'. A large, rounded purple button labeled 'Next' is located below the link. At the bottom of the screen is a numeric keypad with buttons for digits 1 through 9, 0, and a backspace icon (a square with an 'X' and a left arrow). The keypad has a dark grey background with white text for the numbers and letters. The entire screen is framed by a purple border at the bottom.

Fig 6.2.2

Page 3: Add profile picture

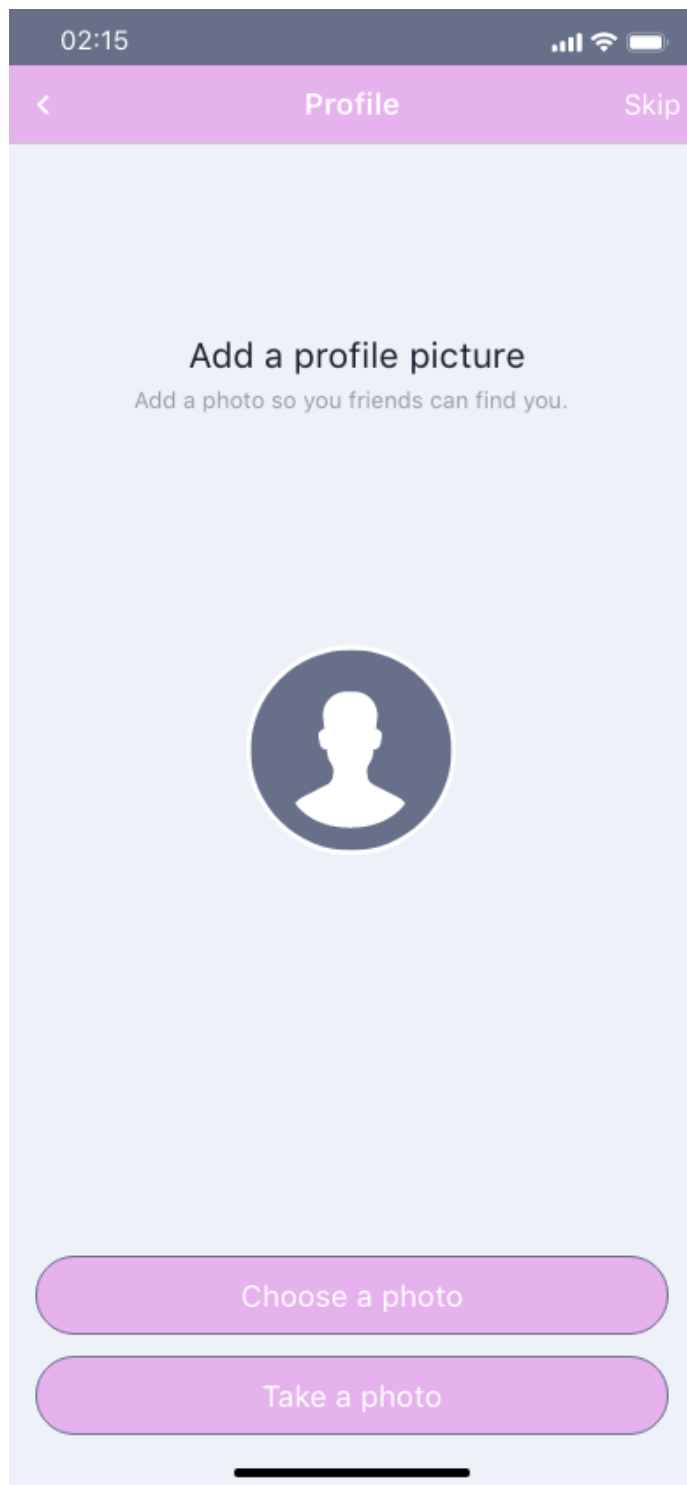


Fig 6.2.3

Page 4: Reset password

02:15

< Reset password

Enter your email

We are going to send you a link to reset your password there.

Email*

Reset password

Having problems? Contact support

q w e r t y u i o p
a s d f g h j k l
⬆ z x c v b n m ⬅
123 🌐 🎤 space return

Fig 6.2.4

Page 5: Sign-up confirmation

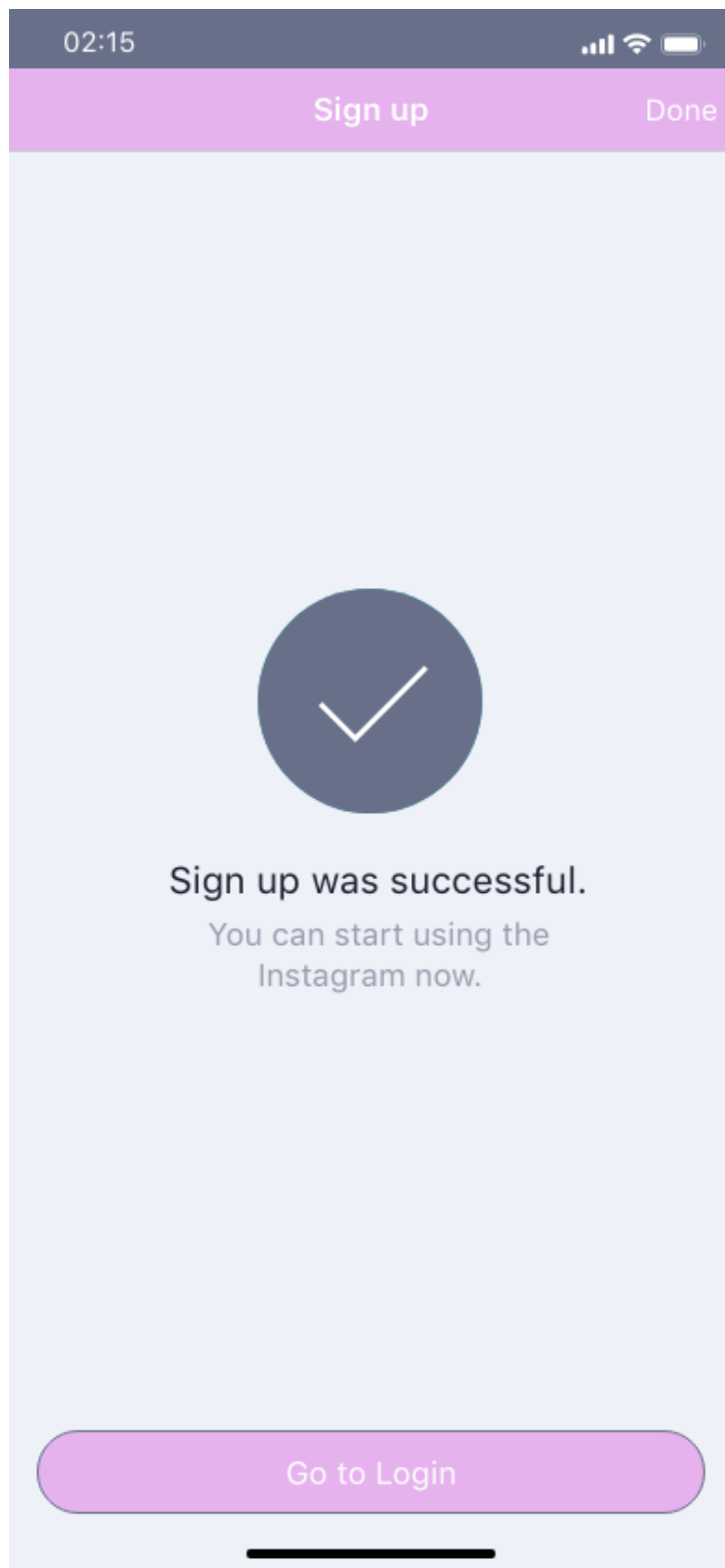


Fig 6.2.5

Page 6: Home page

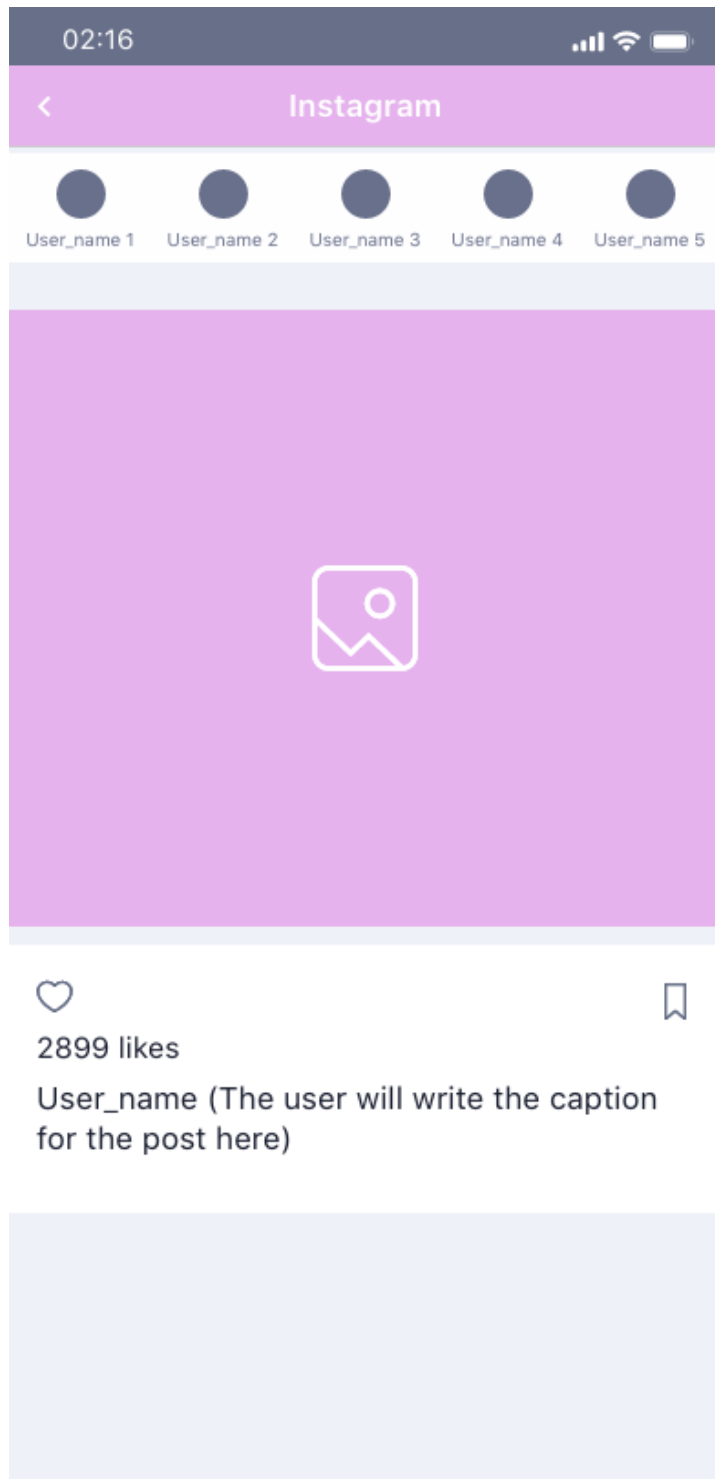


Fig 6.2.6

Page 7: Connection settings

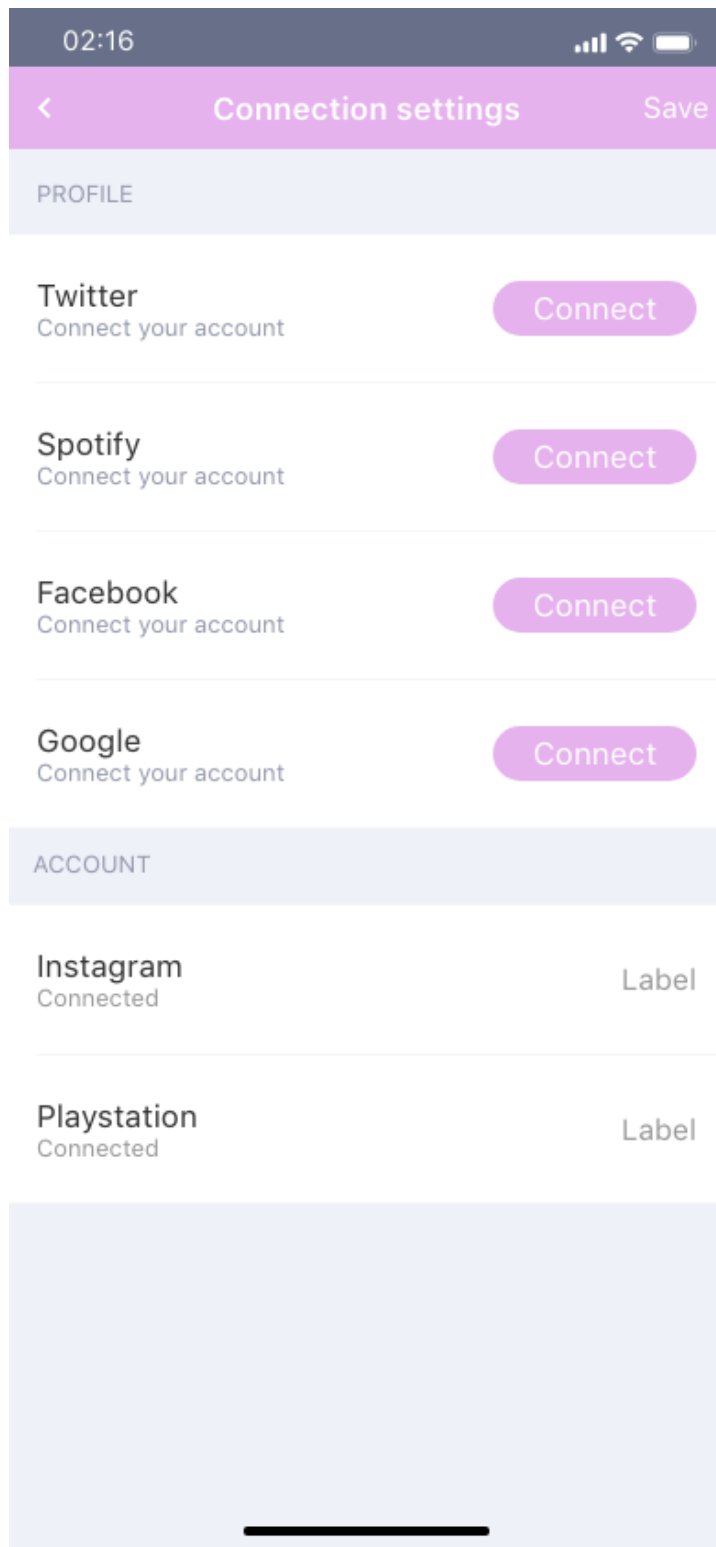


Fig 6.2.7

Page 8: Live streaming

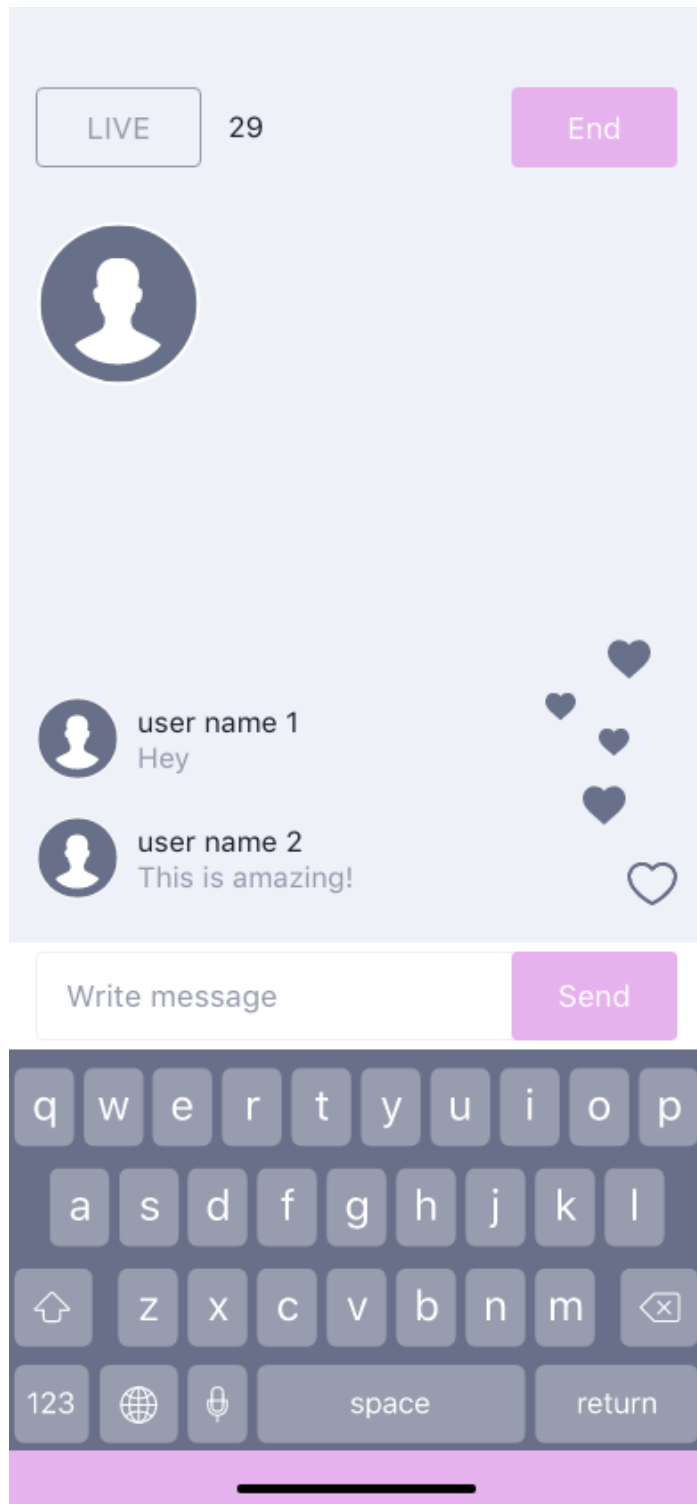


Fig 6.2.8

7. 3-5 back-end facing screens, for the data analyst looking at user statistics:

Backend frame 1:

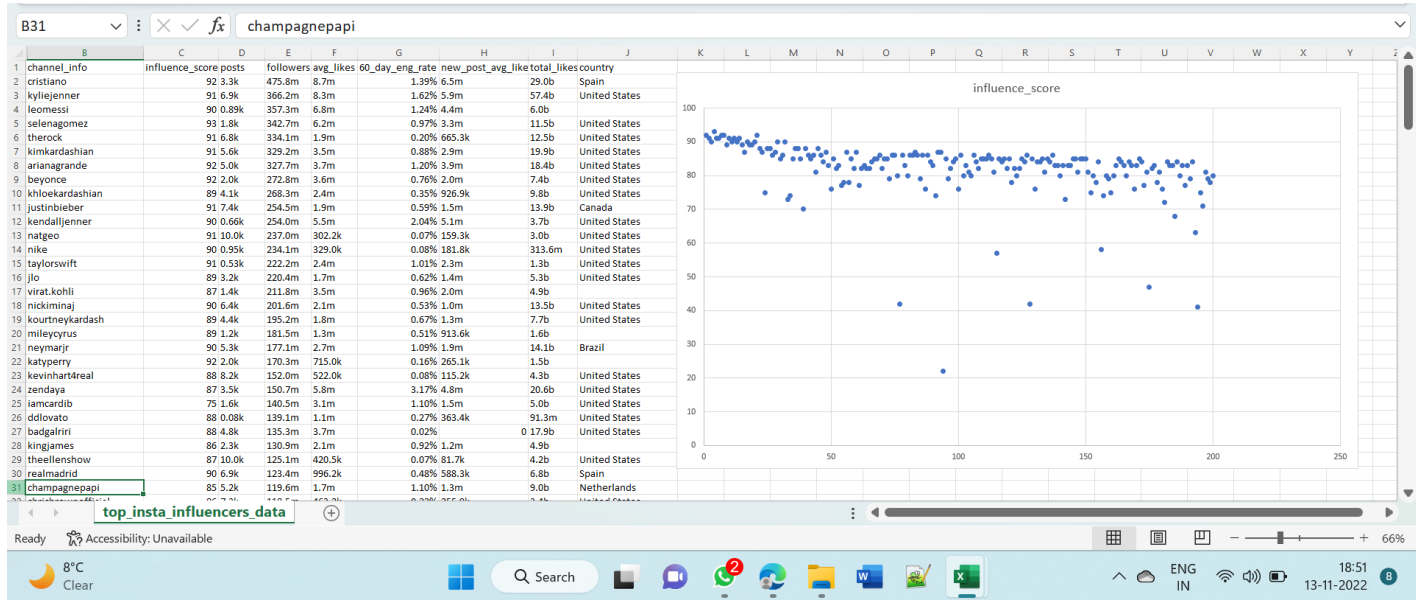


Fig 7.1

Backend frame 2:

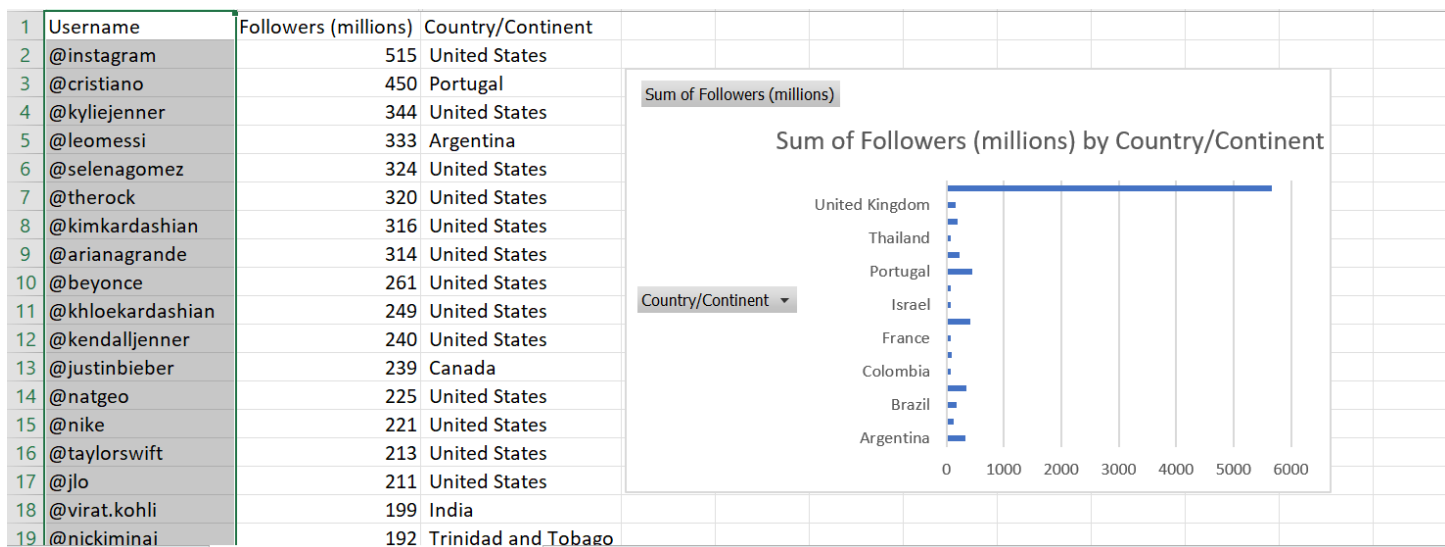


Fig 7.2

Backend frame 3:

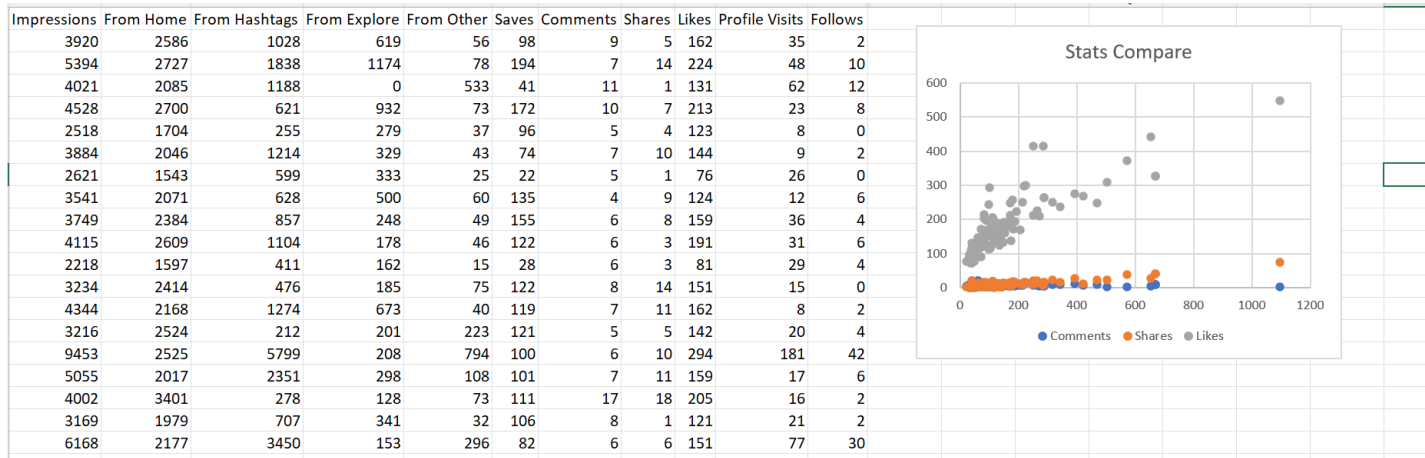


Fig 7.3

8. Distributed architecture diagram:

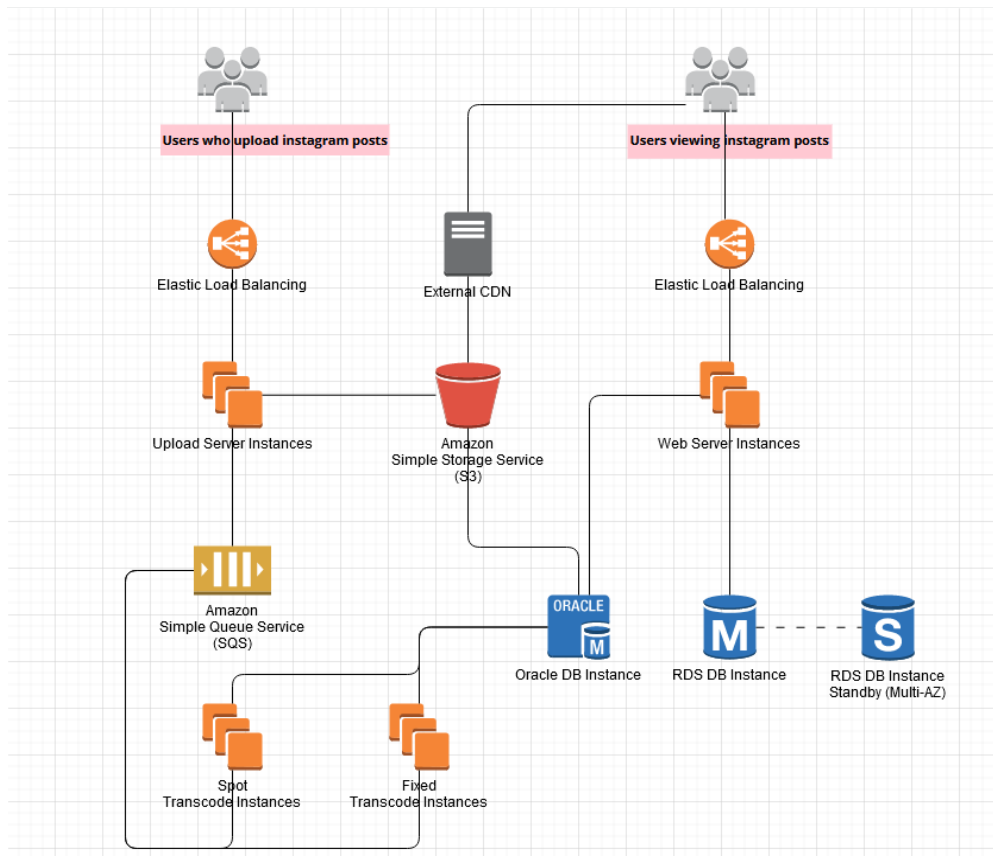


Fig 8.1 Plan-1

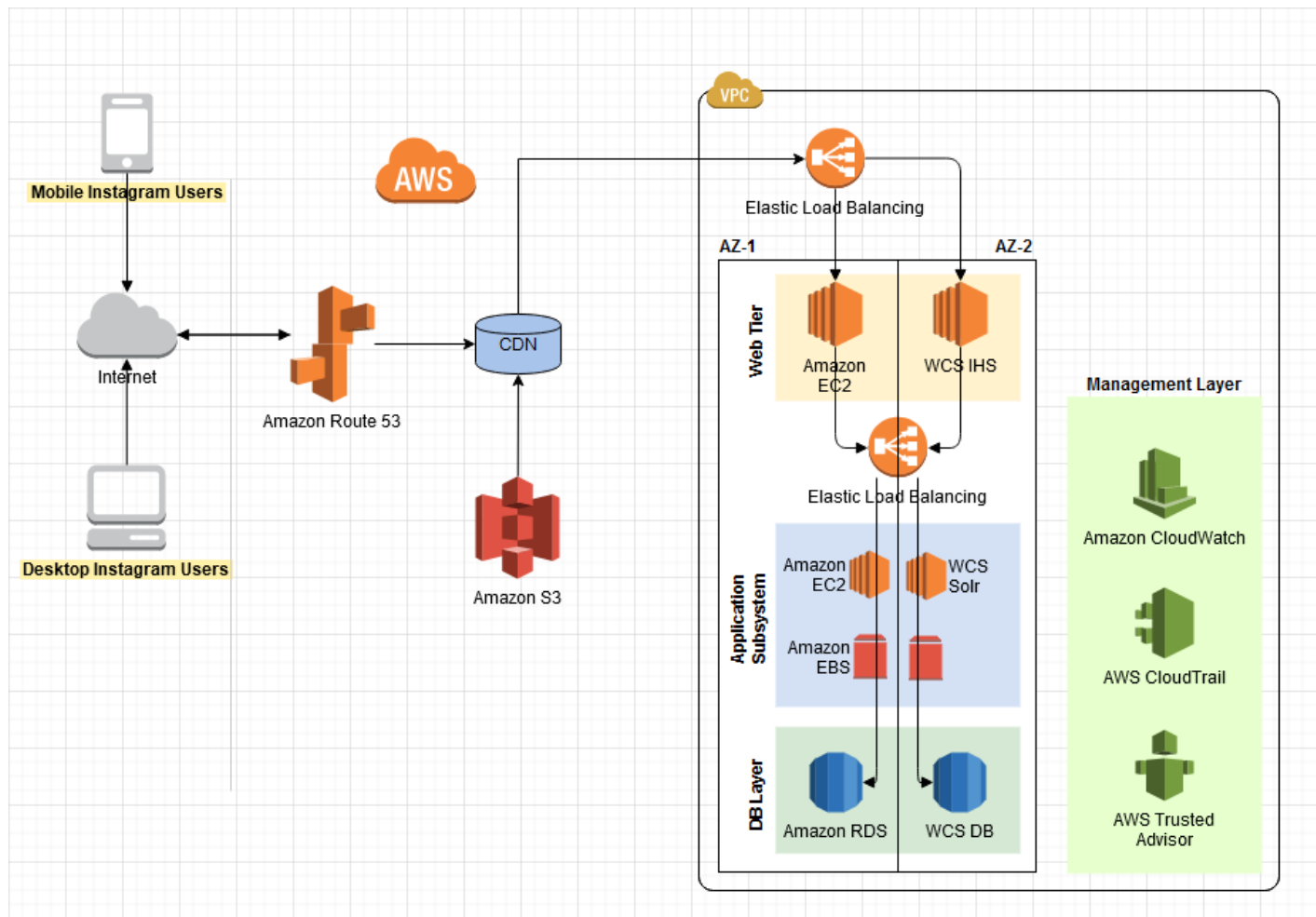


Fig 8.2 Plan-2