ISY Group Project

ByteComply

Keep your focus on innovation, let us worry about the hassles of navigating regulatory compliances of the Indian Technology Landscape

CHECK OUT OUR LIVE WEBSITE -> HERE

Meet Our Team

"Meet the dedicated minds behind our mission - a diverse team united by a passion for simplifying regulatory compliance for tech startups and facilitating innovation."

Suhani Mathur
President

Sejal Khuranna
Vice President

Sumeet Mehra
Accountant-auditor

Aditya Padmagirwar
Advertising Manager

Problem Statement

Tech startups often struggle with the complexities of regulatory compliance, spending valuable time and resources deciphering legal jargon, locating necessary forms, and accessing expert guidance. This cumbersome process detracts from their core focus of innovation and growth, hindering their potential for success.

Our Solution

Our platform offers a streamlined solution to this common challenge. We provide simplified legal information tailored for tech startups in the Indian landscape, along with easy access to corresponding forms. Additionally, we connect startups with industry experts who offer valuable guidance and support, eliminating the hassle of navigating tech compliance alone. By offering a comprehensive and user-friendly resource hub, we empower startups to focus on what truly matters: driving innovation and scaling their businesses.

Target Audience/ Stakeholders

- Budding Entrepreneurs in the field
- Existing Founders & CEOs
- Legal and Compliance Teams
- Industry Experts (Financial + Technical)

The Approach

In our design process, we begin by empathizing with the challenges faced by tech startups in navigating regulatory compliance. Through interviews and observations, we gain insights into their struggles and pain points. Next, we define the specific needs and objectives of our solution, focusing on simplifying the compliance process and providing accessible resources. Ideation follows, where we brainstorm innovative approaches and solutions to address these challenges. We then design a prototype that prioritizes user experience and accessibility, ensuring that startups can easily access legal information, forms, and expert guidance.

What our Analysis includes

Prototyping
Information Architecture
User Research
Problem Solution
User Flow
Qualitative Analysis
User Persona
A/B Testing
Wireframes
Usability Testing

Design Thinking Process

Our design process begins with empathizing with tech startups' compliance challenges, defining clear objectives. Through ideation, we brainstorm innovative solutions, then design a prototype prioritizing user experience. Rigorous testing and iteration refine our design, ensuring it effectively simplifies regulatory compliance for tech startups.

Emphatize
User Research
User Interview
Surveys

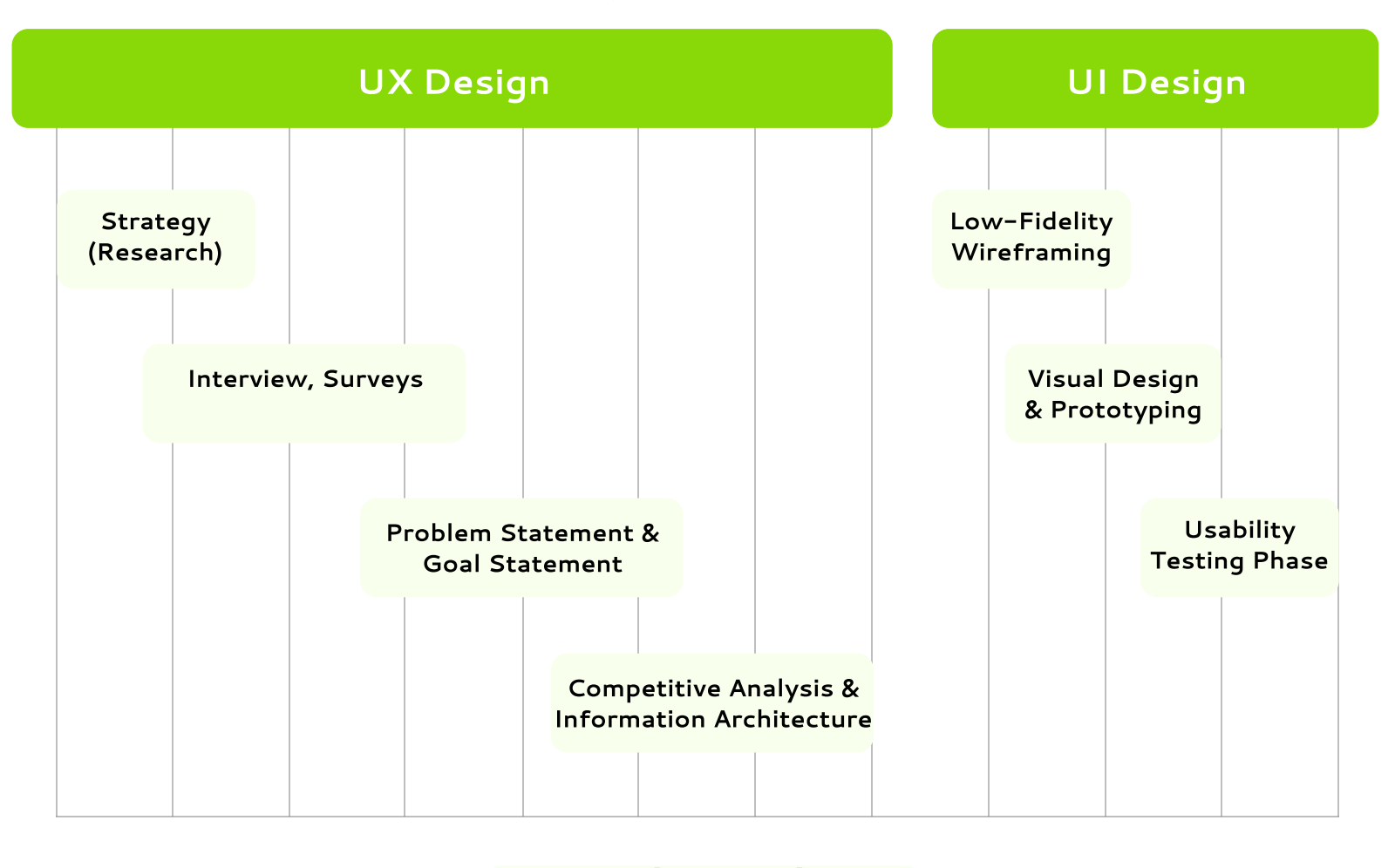
Define
User Persona
Goal Statement

Ideate
Brainstorming
Thematic Analysis
User Flow

Design
Low Fidelity Prototyping
High- Fidelity Prototype

Test
Check Usability
Check Functionality
A/B Testing
Improvements

Project Framework



UX Design
Strategy (Research)
Interview, Surveys
Problem Statement & Goal Statement
Competitive Analysis & Information Architecture

UI Design
Low-Fidelity Wireframing
Visual Design & Prototyping
Usability Testing Phase

Empathise Phase

Qualitative Research

In our qualitative analysis, our aim was to delve into the experiences, perspectives, and challenges faced by aspiring tech startup founders regarding legal and compliance requirements. Through a systematic review of survey responses, we sought to extract meaningful insights and identify recurring themes and patterns. By focusing on the qualitative aspects of the data, we aimed to gain a deeper understanding of the lived experiences of our target audience, informing the development of our compliance aid platform to better address their needs.

Interview Questions

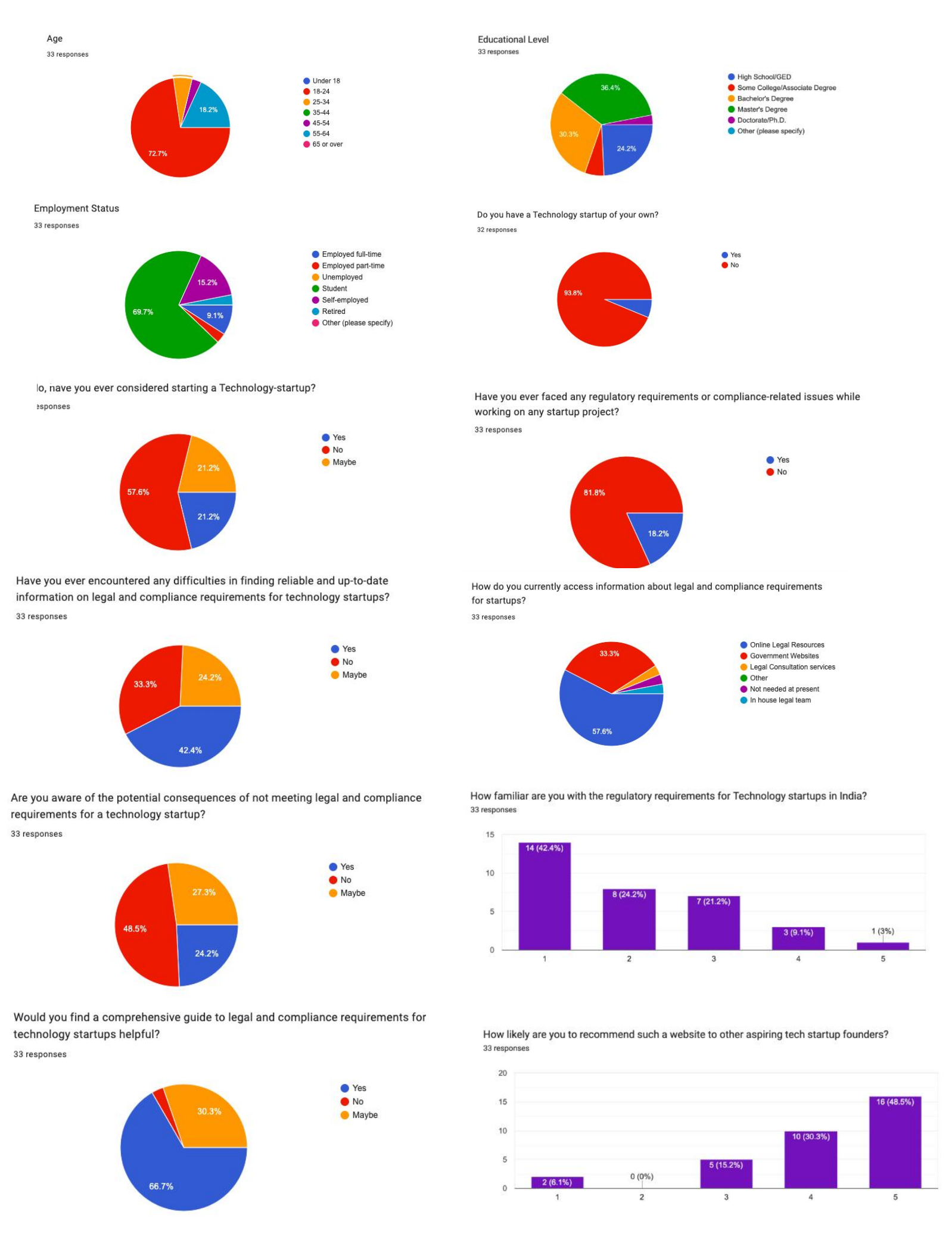
- Have you ever encountered any difficulties in finding reliable and up-to-date information on legal and compliance requirements for technology startups?
- Have you ever faced any regulatory requirements or compliance-related issues while working on any startup project? If Yes, how did you/your team tackle it?
- Are you aware of the potential consequences of not meeting legal and compliance requirements for a technology startup?
- What do you perceive as the biggest challenges in starting a Technology startup in India?
- How do you currently access information about legal and compliance requirements for startups?
- What features or resources would you like to see on a website aimed at providing comprehensive information on legal and compliance requirements for tech startups?
- How likely are you to recommend such a website to other aspiring tech startup founders?

Key Insight Derived

- **financial gain, inspiration, market opportunities, personal ambition, and innovation, driving factors of their technological entrepreneurial journey.**
- **Financial and market challenges, awareness and ethics concerns, regulatory and legal complexities, and resource constraints pose significant hurdles for Indian tech startup founders.**
- **Respondents desire features like AI Chatbot and Personalized Assistance, Comprehensive Information and Guidance, Ease of Use and Accessibility, and access to Government Guidelines and Resources on a compliance aid platform**

Quantitative Research

The qualitative research via the form aimed to provide in-depth insights from aspiring tech startup founders about their experiences, challenges, and preferences regarding legal and compliance requirements. By exploring motivations, hurdles, awareness levels, and feature preferences through open-ended questions, we enriched our quantitative analysis with qualitative context. This approach enables us to develop data-driven solutions tailored to meet the diverse needs of tech startup founders effectively.

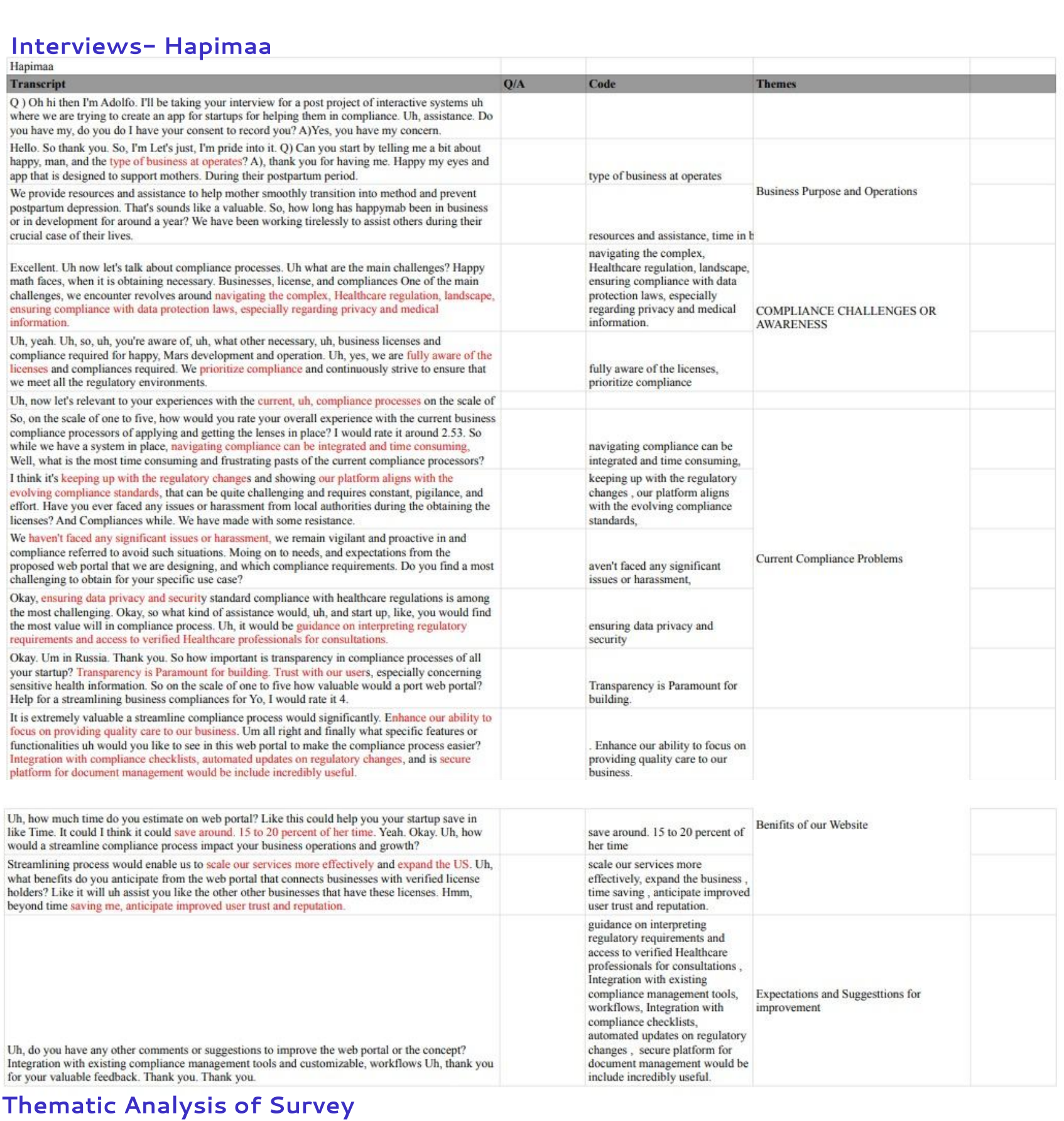


Key Insight Derived

- We collected a total of 33 responses and out of them the majority (72.7%) were of the age 18-24
- Only 6.2% of respondents currently have their own technology startup.
- 66% people agreed that they would find our website helpful
- 48.5% are highly likely, 30.3% are moderately likely, 15.2% are somewhat likely, and 6.1% are not very likely to recommend this website
- 48% of them are not aware of potential consequences of not meeting legal and compliance requirements while only 24% of them are
- 42% of respondents have encountered any difficulties in finding reliable and up-to-date information on legal and compliance requirements and 33% of them haven't

Thematic Analysis

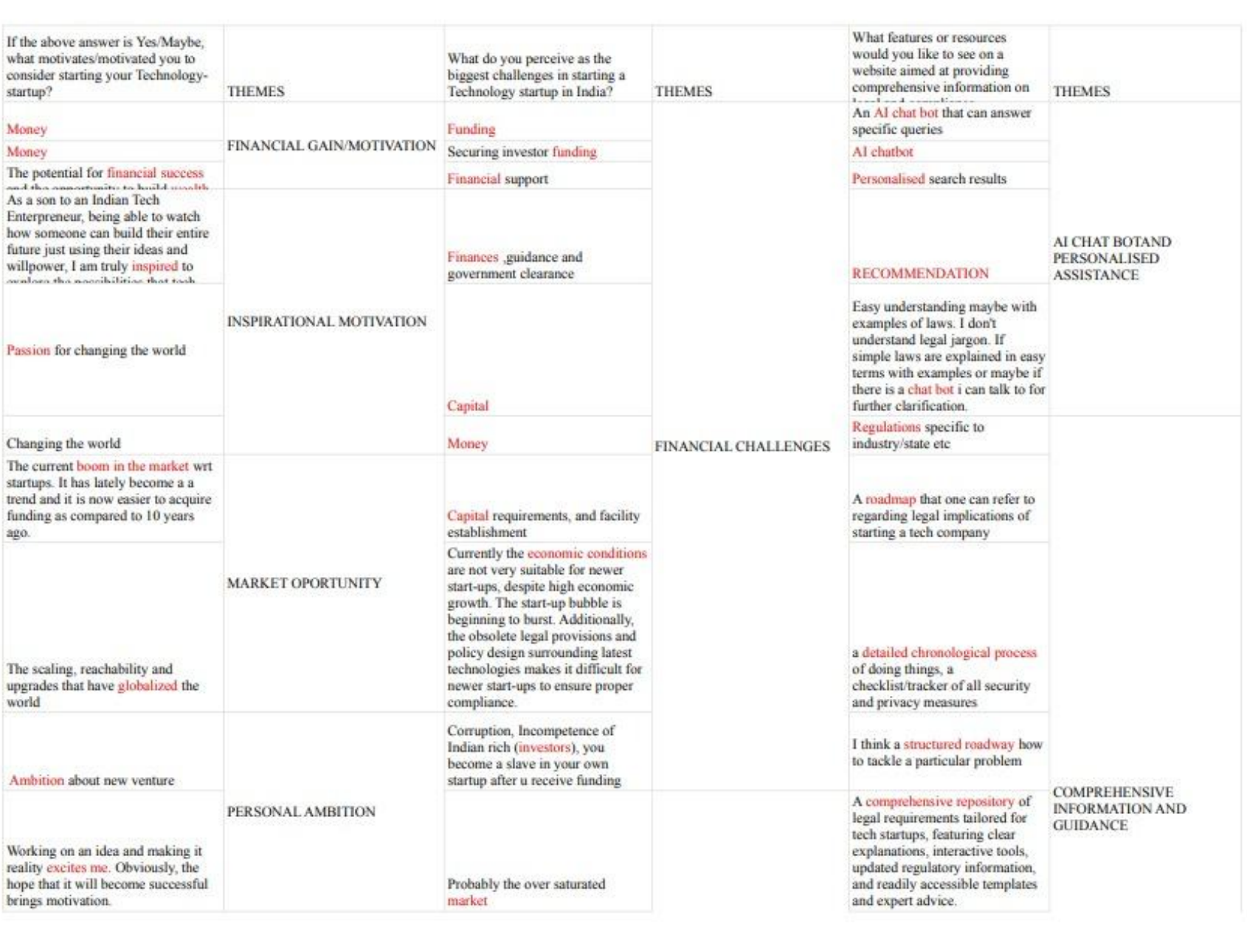
Interviews- Hapimaa



Hapimaa

Transcript	Q/A	Code	Themes
Q) Oh hi then I'm Adolfo. I'll be taking your interview for a post project of interactive systems uh where we are trying to create an app for startups for helping them in compliance. Uh, assistance. Do you have my, do you do I have your consent to record you? A)Yes, you have my concern.			
Hello. So thank you. So, I'm Let's just, I'm pride into it. Q) Can you start by telling me a bit about happy, man, and the type of business at operates? A), thank you for having me. Happy my eyes and app that is designed to support mothers. During their postpartum period.		type of business at operates	Business Purpose and Operations
We provide resources and assistance to help mother smoothly transition into method and prevent postpartum depression. That's sounds like a valuable. So, how long has happymab been in business or in development for around a year? We have been working tirelessly to assist others during their crucial case of their lives.		resources and assistance, time in b	
Excellent. Uh now let's talk about compliance processes. Uh what are the main challenges? Happy math faces, when it is obtaining necessary. Businesses, license, and compliances One of the main challenges, we encounter revolves around navigating the complex, Healthcare regulation, landscape, ensuring compliance with data protection laws, especially regarding privacy and medical information.		navigating the complex, Healthcare regulation, landscape, ensuring compliance with data protection laws, especially regarding privacy and medical information.	COMPLIANCE CHALLENGES OR AWARENESS
Uh, yeah. Uh, so, uh, you're aware of, uh, what other necessary, uh, business licenses and compliance required for happy, Mars development and operation. Uh, yes, we are fully aware of the licenses and compliances required. We prioritize compliance and continuously strive to ensure that we meet all the regulatory environments.		fully aware of the licenses, prioritize compliance	
Uh, now let's relevant to your experiences with the current, uh, compliance processes on the scale of			Current Compliance Problems
So, on the scale of one to five, how would you rate your overall experience with the current business compliance processors of applying and getting the lenses in place? I would rate it around 2.53. So while we have a system in place, navigating compliance can be integrated and time consuming, Well, what is the most time consuming and frustrating pasts of the current compliance processors?		navigating compliance can be integrated and time consuming,	
I think it's keeping up with the regulatory changes and showing our platform aligns with the evolving compliance standards, that can be quite challenging and requires constant, pigilance, and effort. Have you ever faced any issues or harassment from local authorities during the obtaining the licenses? And Compliances while. We have made with some resistance.		keeping up with the regulatory changes , our platform aligns with the evolving compliance standards,	
We haven't faced any significant issues or harassment, we remain vigilant and proactive in and compliance referred to avoid such situations. Moing on to needs, and expectations from the proposed web portal that we are designing, and which compliance requirements. Do you find a most challenging to obtain for your specific use case?		aven't faced any significant issues or harassment,	
Okay, ensuring data privacy and security standard compliance with healthcare regulations is among the most challenging. Okay, so what kind of assistance would, uh, and start up, like, you would find the most value will in compliance process. Uh, it would be guidance on interpreting regulatory requirements and access to verified Healthcare professionals for consultations.		ensuring data privacy and security	
Okay. Um in Russia. Thank you. So how important is transparency in compliance processes of all your startup? Transparency is Paramount for building. Trust with our users, especially concerning sensitive health information. So on the scale of one to five how valuable would a port web portal? Help for a streamlining business compliances for Yo, I would rate it 4.		Transparency is Paramount for building.	
It is extremely valuable a streamline compliance process would significantly. Enhance our ability to focus on providing quality care to our business. Um all right and finally what specific features or functionalities uh would you like to see in this web portal to make the compliance process easier? Integration with compliance checklists, automated updates on regulatory changes, and is secure platform for document management would be include incredibly useful.		. Enhance our ability to focus on providing quality care to our business.	
Uh, how much time do you estimate on web portal? Like this could help you your startup save in like Time. It could I think it could save around. 15 to 20 percent of her time. Yeah. Okay. Uh, how would a streamline compliance process impact your business operations and growth?		save around. 15 to 20 percent of her time	Benifits of our Website
Streamlining process would enable us to scale our services more effectively and expand the US. Uh, what benefits do you anticipate from the web portal that connects businesses with verified license holders? Like it will uh assist you like the other other businesses that have these licenses. Hmm, beyond time saving me, anticipate improved user trust and reputation.		scale our services more effectively, expand the business , time saving , anticipate improved user trust and reputation.	
Uh, do you have any other comments or suggestions to improve the web portal or the concept? Integration with existing compliance management tools and customizable, workflows Uh, thank you for your valuable feedback. Thank you. Thank you.		guidance on interpreting regulatory requirements and access to verified Healthcare professionals for consultations , Integration with existing compliance management tools, workflows, Integration with compliance checklists, automated updates on regulatory changes , secure platform for document management would be include incredibly useful.	Expectations and Suggesttions for improvement

Thematic Analysis of Survey



If the above answer is Yes/Maybe, what motivates/motivated you to consider starting your Technology-startup?	THEMES	What do you perceive as the biggest challenges in starting a Technology startup in India?	THEMES	What features or resources would you like to see on a website aimed at providing comprehensive information on	THEMES
Money	FINANCIAL GAIN/MOTIVATION	Funding	FINANCIAL CHALLENGES	An AI chat bot that can answer specific queries	AI CHAT BOTAND PERSONALISED ASSISTANCE
Money		Securing investor funding		AI chatbot	
The potential for financial success		Financial support		Personalised search results	
As a son to an Indian Tech Entrepreneur, being able to watch how someone can build their entire future just using their ideas and willpower, I am truly inspired to	INSPIRATIONAL MOTIVATION	Finances ,guidance and government clearance		RECOMMENDATION	
Passion for changing the world		Capital		Easy understanding maybe with examples of laws. I don't understand legal jargon. If simple laws are explained in easy terms with examples or maybe if there is a chat bot i can talk to for further clarification.	
Changing the world		Money		Regulations specific to industry/state etc	COMPREHENSIVE INFORMATION AND GUIDANCE
The current boom in the market wrt startups. It has lately become a a trend and it is now easier to acquire funding as compared to 10 years ago.	MARKET OPORTUNITY	Capital requirements, and facility establishment		A roadmap that one can refer to regarding legal implications of starting a tech company	
The scaling, reachability and upgrades that have globalized the world		Currently the economic conditions are not very suitable for newer start-ups, despite high economic growth. The start-up bubble is beginning to burst. Additionally, the obsolete legal provisions and policy design surrounding latest technologies makes it difficult for newer start-ups to ensure proper compliance.		a detailed chronological process of doing things, a checklist/tracker of all security and privacy measures	
Ambition about new venture	PERSONAL AMBITION	Corruption, Incompetence of Indian rich (investors), you become a slave in your own startup after u receive funding		I think a structured roadway how to tackle a particular problem	
Working on an idea and making it reality excites me. Obviously, the hope that it will become successful brings motivation.		Probably the over saturated market		A comprehensive repository of legal requirements tailored for tech startups, featuring clear explanations, interactive tools, updated regulatory information, and readily accessible templates and expert advice.	

Define Phase

User Persona 1

Devanshi Goyal

Age	21
Education	Btech
Status	Single
Occupation	Student
Location	Delhi

Brief Story

Devanshi is a young entrepreneur studying at IIITD. She recently ventured into the startup world with a pet industry business idea. Being in the early stages of her entrepreneurial journey, Devanshi lacks experience in navigating the complexities of business compliance and licensing processes. She's eager to learn and make her startup a success but finds the current procedures overwhelming and time-consuming.

Goals

1. Successfully establish and grow her pet industry startup.
2. Gain knowledge and understanding of business compliances and licenses relevant to his venture.
3. Efficiently manage time and resources to focus on business development and innovation.
4. Connect with experienced entrepreneurs or resources to streamline the compliance process for her startup.

Frustations

1. Limited knowledge and experience in business compliances and licensing procedures.
2. Feeling overwhelmed by the time-consuming and frustrating nature of compliance tasks.
3. Uncertainty about the specific licenses required for his startup in different regions.
4. Lack of awareness regarding global patenting procedures and trademark registration.
5. Concerns about the cost implications of related services and resources.

Preferences

1. Prefers streamlined and user-friendly solutions that simplify the compliance process.
2. Values time-saving features and functionalities that allow him to focus on business growth.
3. Seeks access to reliable information and guidance from experienced entrepreneurs or professionals.
4. Interested in connecting with other businesses to learn from their compliance experiences and strategies.
5. Prioritizes cost-effectiveness when considering compliance-related services and tools.

User Persona 2

Janesh Kapoor

Age	20
Education	Btech Engineer
Status	Single
Occupation	Student
Location	Delhi

Brief Story

Janesh Kapoor, CEO of Planet XR, is committed to using XR technology to revolutionize medical training. With extensive research and development spanning over six to seven months, he understands the compliance challenges in healthcare. Janesh's vision is to develop XR solutions that simulate human anatomy for medical education, driving innovation in the field.

Goals

1. Successfully establish and scale Planet XR as a leading provider of XR-based medical simulation solutions.
2. Ensure compliance with regulatory requirements for medical devices and data privacy laws to protect user information.
3. Provide accessible and efficient training solutions to medical professionals through XR technology.

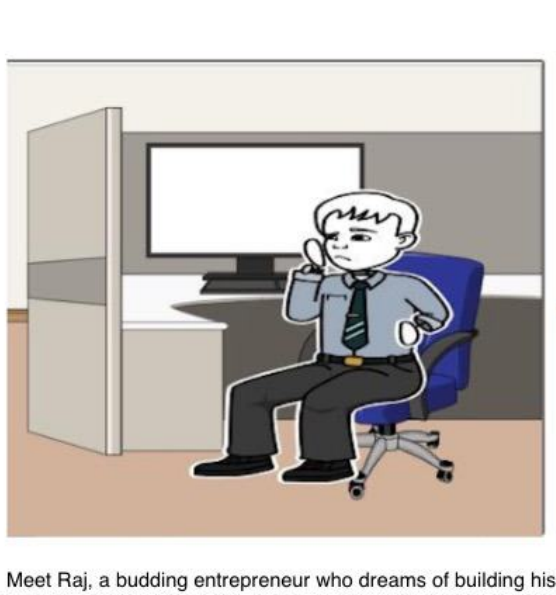
Frustations

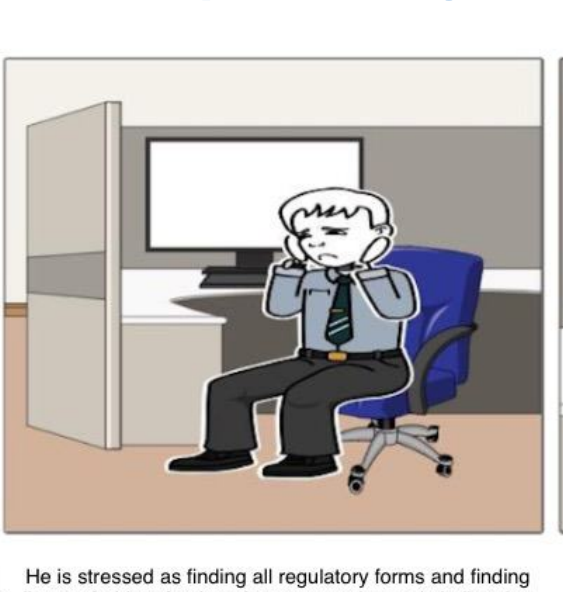
1. Navigating complex regulatory requirements in the healthcare industry for medical devices and data privacy.
2. Balancing innovation with compliance to ensure that XR solutions meet regulatory standards.
3. Addressing data privacy concerns related to the use of patient data in medical simulations.
4. Educating healthcare professionals and institutions about the benefits and potential of XR technology in medical training.
5. Keeping up with evolving compliance standards and updates to ensure ongoing regulatory compliance.

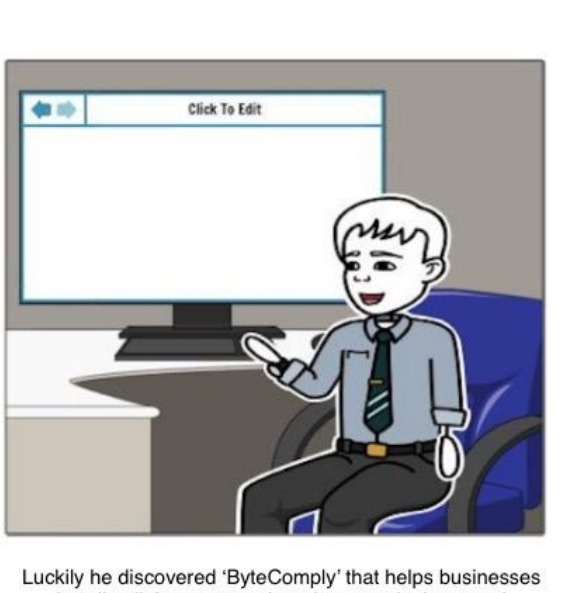
Preferences

1. Values practical solutions and assistance in navigating compliance challenges effectively.
2. Seeks transparency in compliance processes to build trust with users and stakeholders.
3. Prioritizes user-friendly features and functionalities to streamline compliance processes.
4. Interested in personalized guidance and support tailored to Planet XR's specific compliance needs.
5. Supports the integration of compliance management tools and technologies to enhance efficiency and accuracy.

Storyboarding

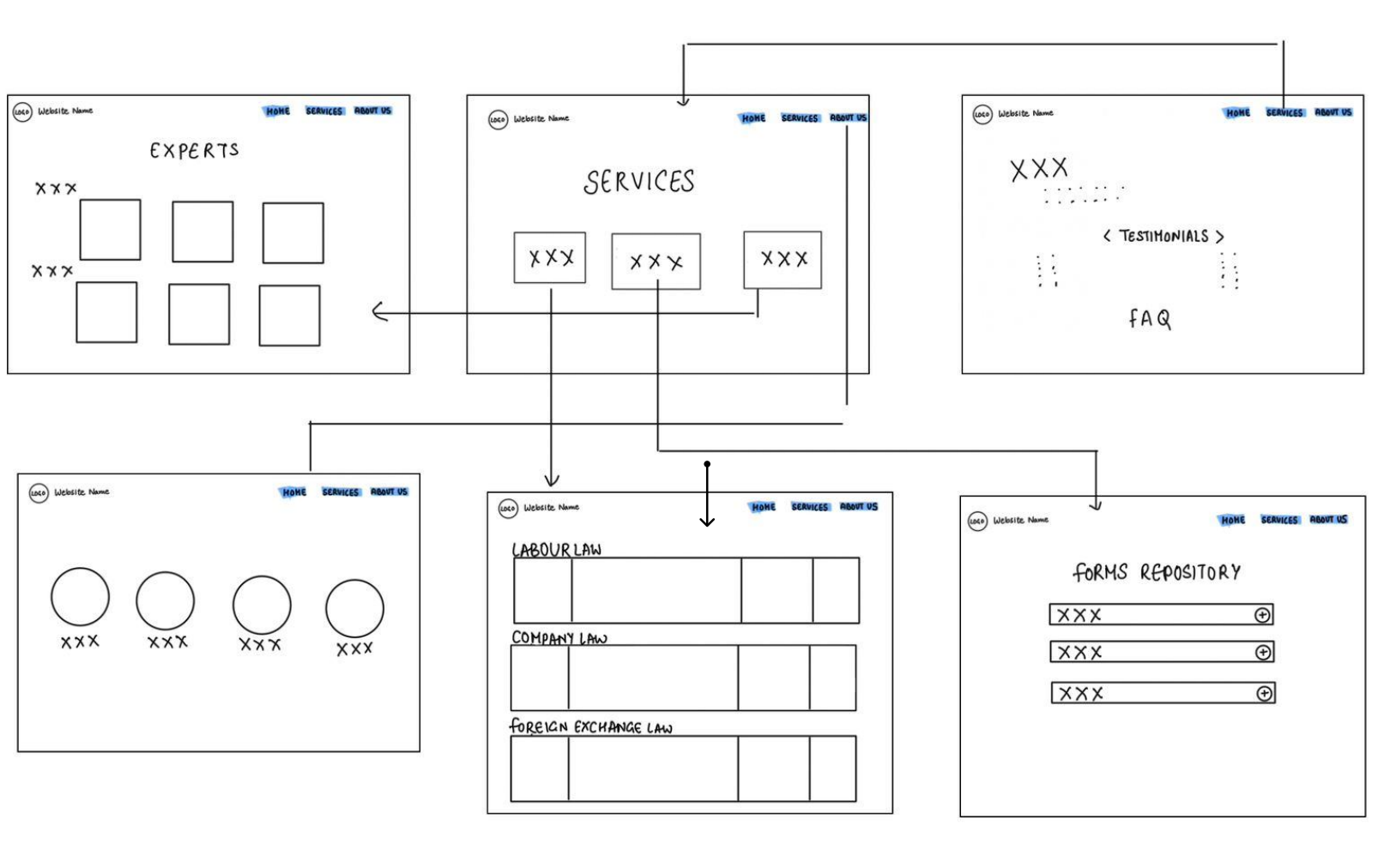

Meet Raj, a budding entrepreneur who dreams of building his own business but faces struggles in his compliance processes


He is stressed as finding all regulatory forms and finding license holders for them is very complex and challenging

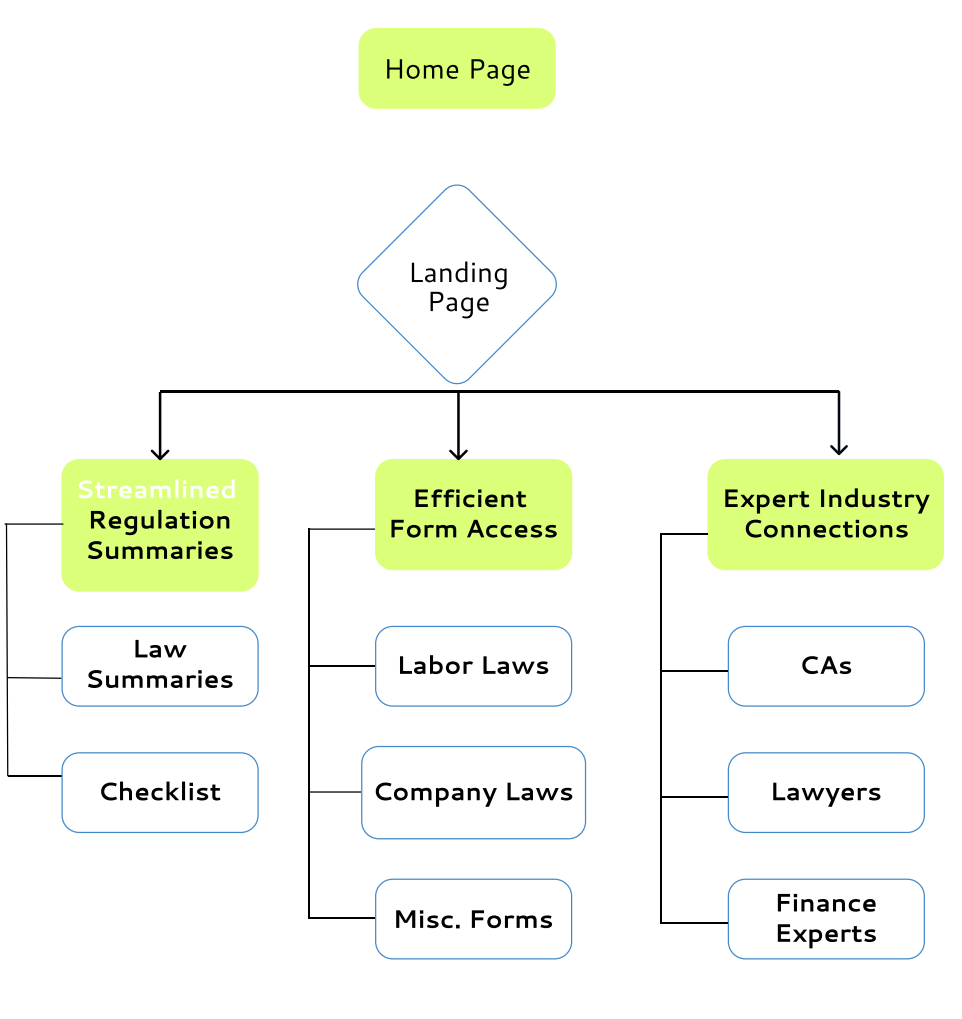


Luckily he discovered 'ByteComply' that helps businesses handle all the paperwork and approvals they need

Low-Fidelity Prototyping



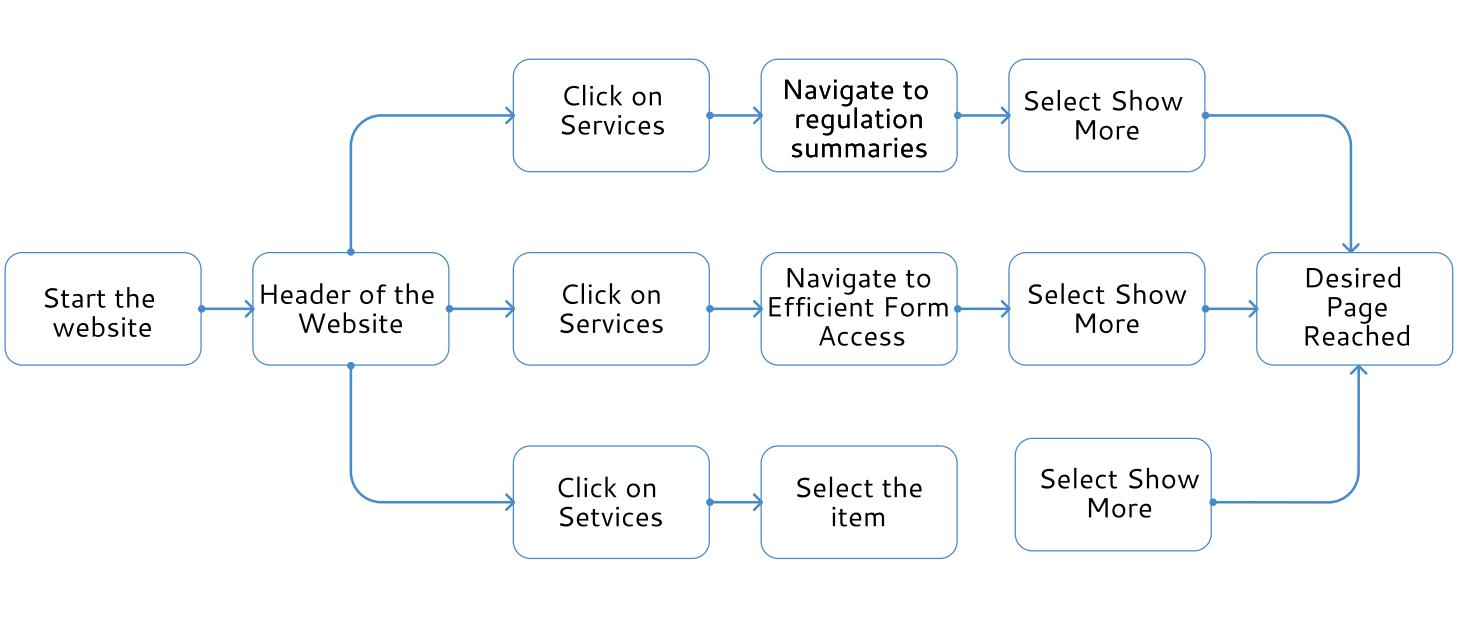
Information Architecture



Home Page
Landing Page
Streamlined Regulation Summaries
Law Summaries
Checklist
Efficient Form Access
Labor Laws
Company Laws
Misc. Forms
Expert Industry Connections
CAs
Lawyers
Finance Experts

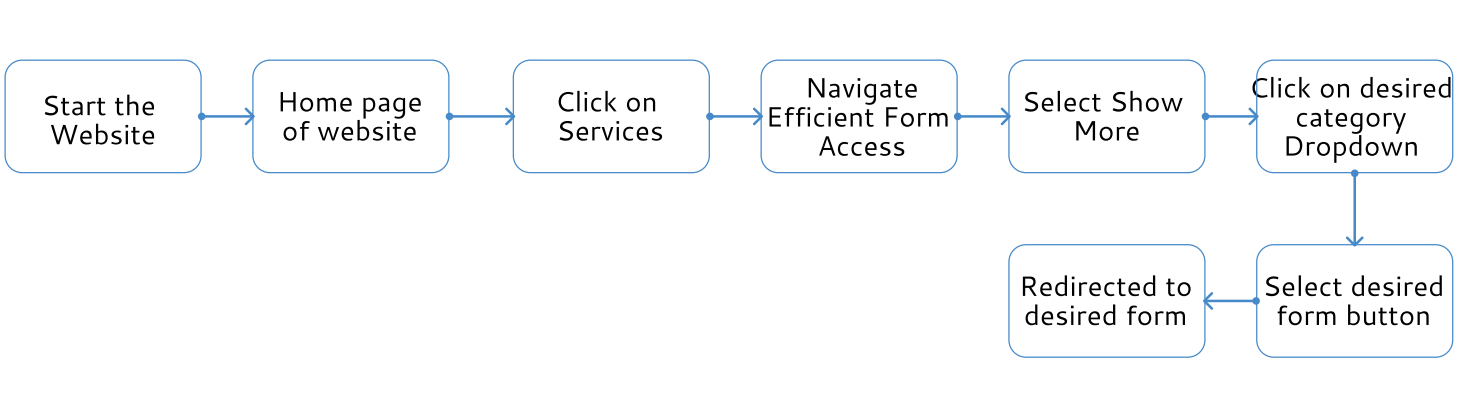
Task Flow

- **The Process of Accessing Features Page**



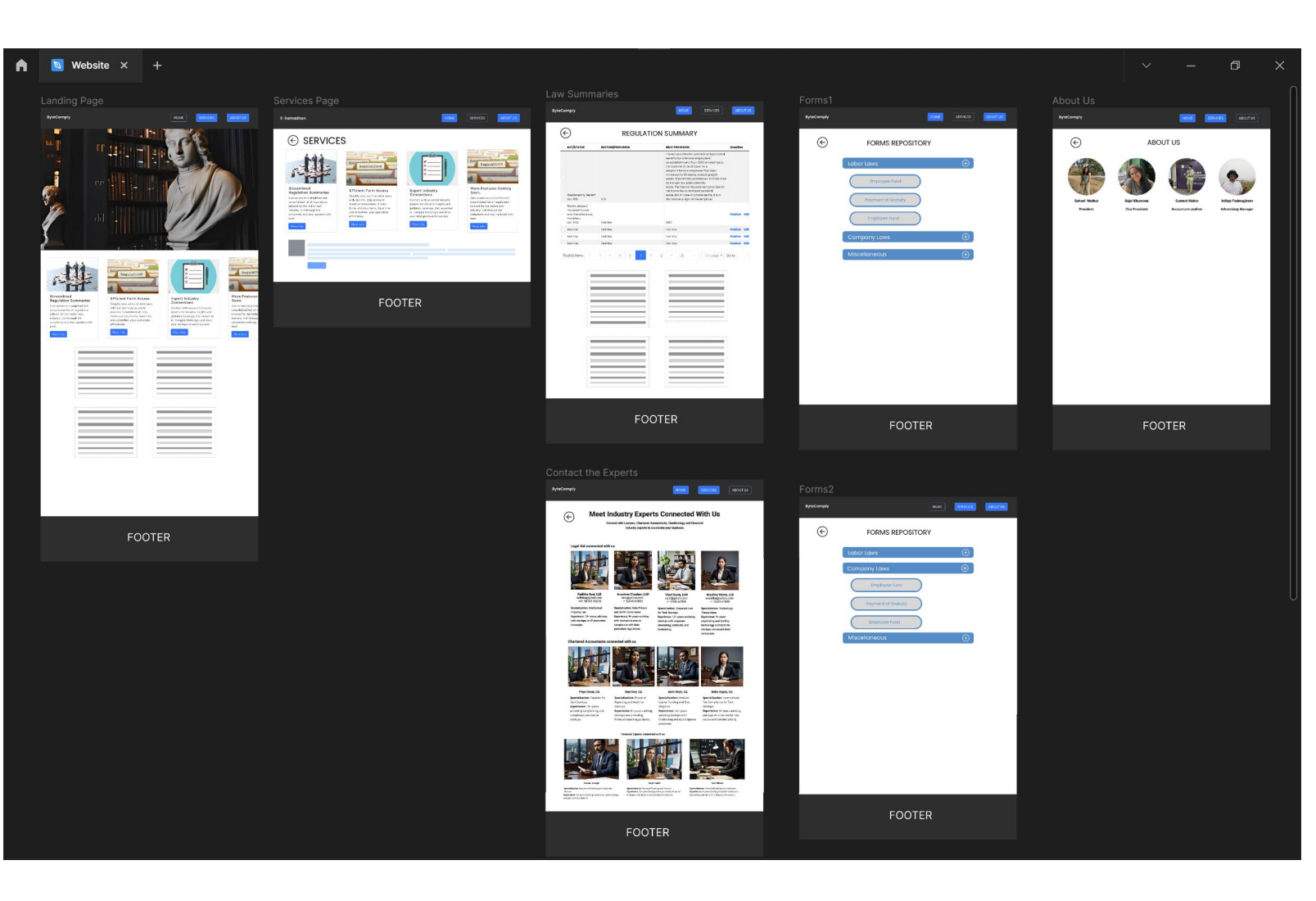
Start the website
Header of the Website
Click on Services
Navigate to regulation summaries
Select Show More
Click on Services
Navigate to Efficient Form Access
Select Show More
Desired Page Reached
Click on Services
Select the item
Select Show More

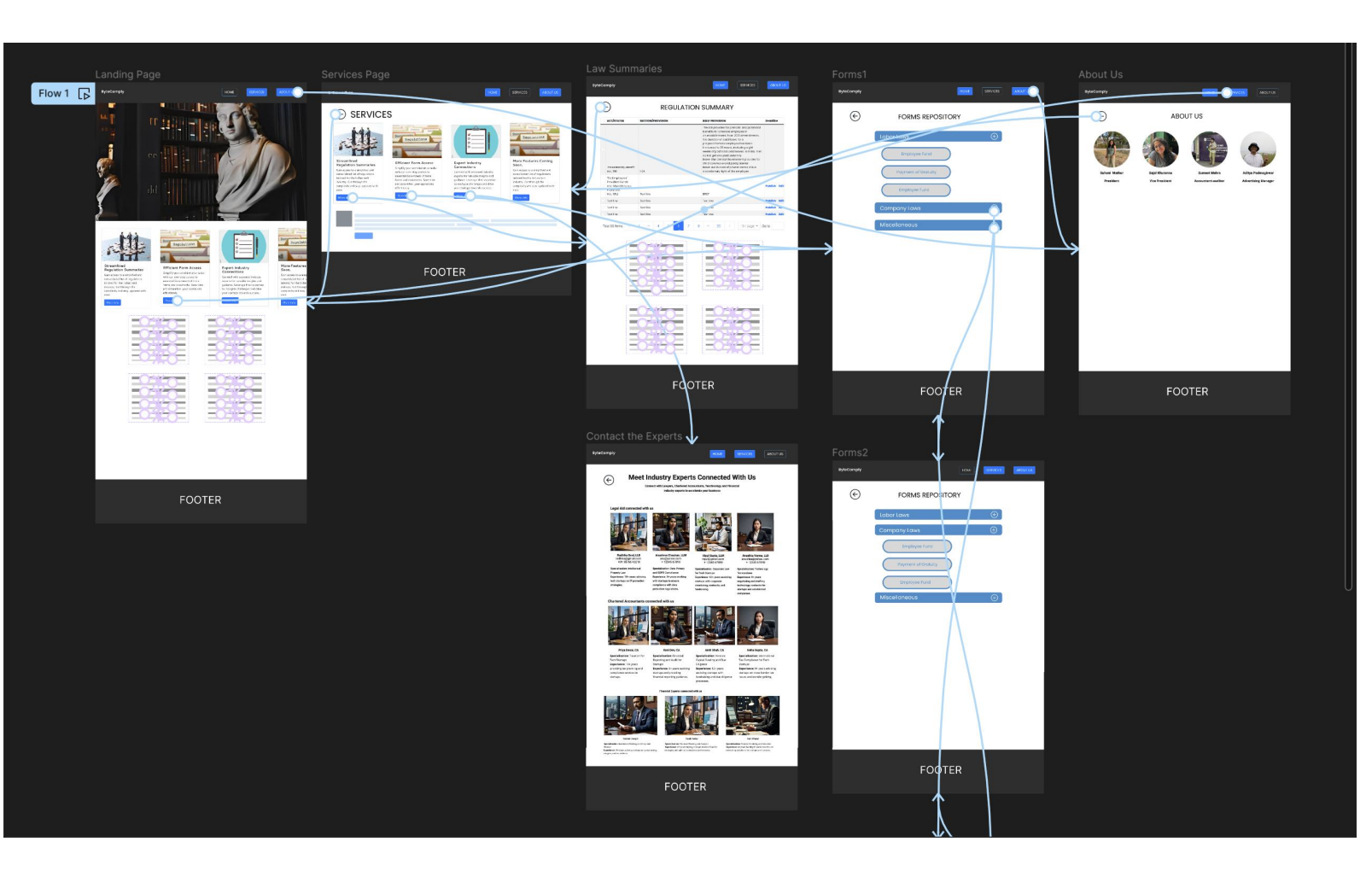
- **The Process of Accessing forms**



Start the Website
Home page of website
Click on Services
Navigate Efficient Form Access
Select Show More
Click on desired category Dropdown
Select desired form button
Redirected to desired form

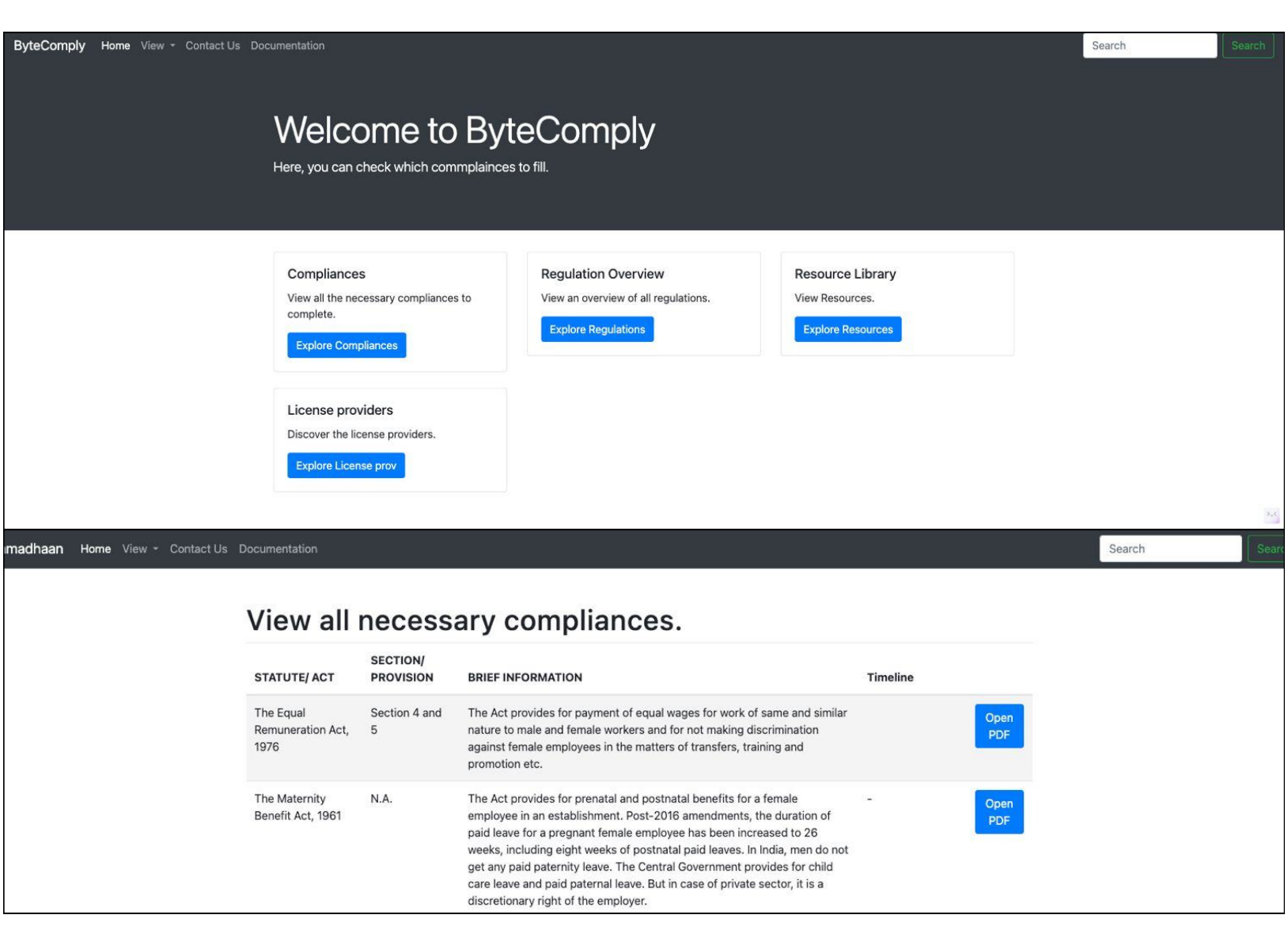
High-Fidelity Wireframes





A/B Testing

Website 1



Welcome to ByteComply

Here, you can check which compliances to fill.

Compliances
View all the necessary compliances to complete.
Explore Compliances

Regulation Overview
View an overview of all regulations.
Explore Regulations

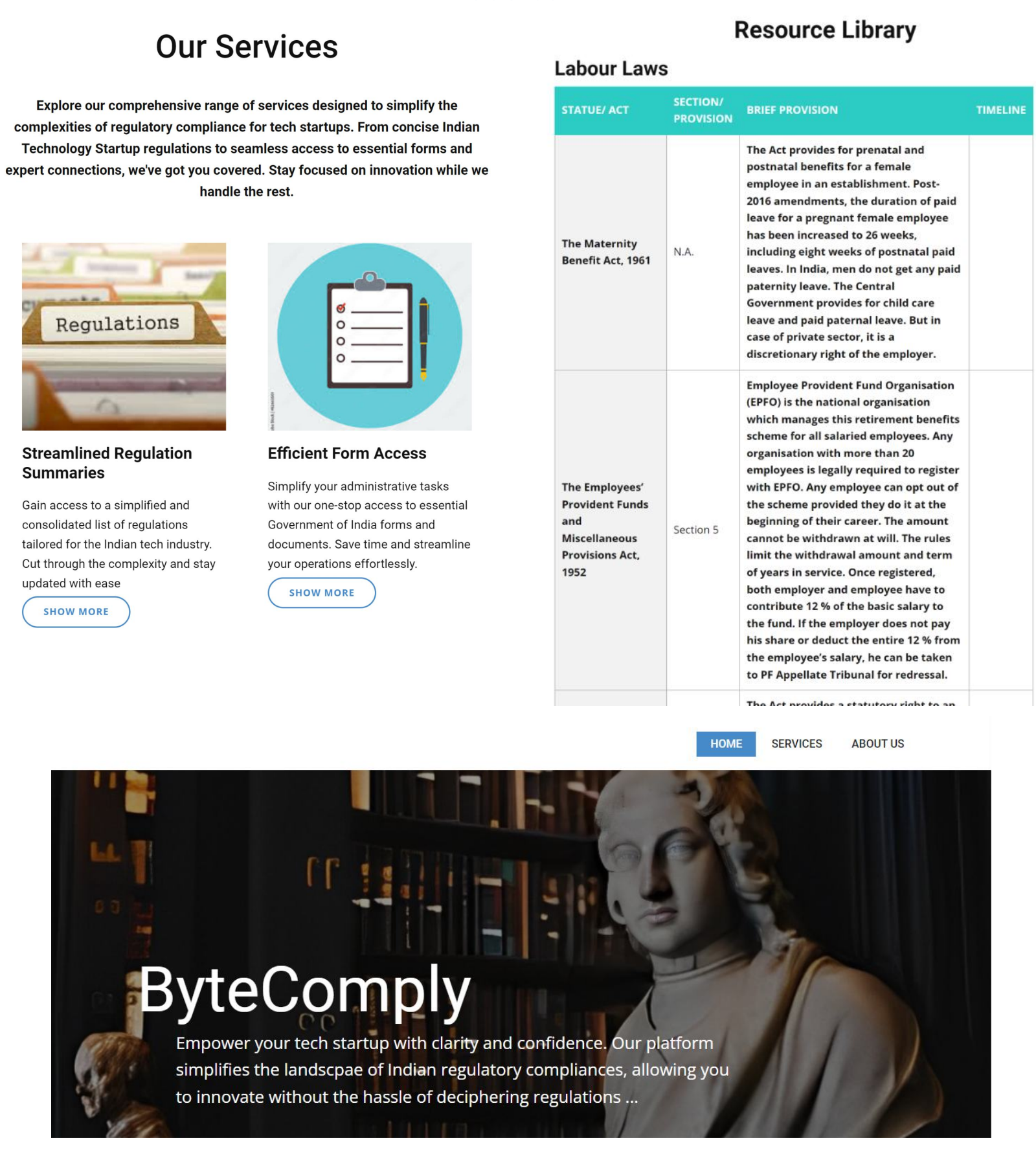
Resource Library
View Resources.
Explore Resources

License providers
Discover the license providers.
Explore License prov

View all necessary compliances.

STATUTE/ ACT	SECTION/ PROVISION	BRIEF INFORMATION	Timeline	
The Equal Remuneration Act, 1976	Section 4 and 5	The Act provides for payment of equal wages for work of same and similar nature to male and female workers and for not making discrimination against female employees in the matters of transfers, training and promotion etc.		Open PDF
The Maternity Benefit Act, 1961	N.A.	The Act provides for prenatal and postnatal benefits for a female employee in an establishment. Post-2016 amendments, the duration of paid leave for a pregnant female employee has been increased to 26 weeks, including eight weeks of postnatal paid leaves. In India, men do not get any paid paternity leave. The Central Government provides for child care leave and paid paternal leave. But in case of private sector, it is a discretionary right of the employer.	-	Open PDF

Website 2



Our Services

Explore our comprehensive range of services designed to simplify the complexities of regulatory compliance for tech startups. From concise Indian Technology Startup regulations to seamless access to essential forms and expert connections, we've got you covered. Stay focused on innovation while we handle the rest.

Streamlined Regulation Summaries
Gain access to a simplified and consolidated list of regulations tailored for the Indian tech industry. Cut through the complexity and stay updated with ease
SHOW MORE

Efficient Form Access
Simplify your administrative tasks with our one-stop access to essential Government of India forms and documents. Save time and streamline your operations effortlessly.
SHOW MORE

Resource Library

Labour Laws

STATUE/ ACT	SECTION/ PROVISION	BRIEF PROVISION	TIMELINE
The Maternity Benefit Act, 1961	N.A.	The Act provides for prenatal and postnatal benefits for a female employee in an establishment. Post-2016 amendments, the duration of paid leave for a pregnant female employee has been increased to 26 weeks, including eight weeks of postnatal paid leaves. In India, men do not get any paid paternity leave. The Central Government provides for child care leave and paid paternal leave. But in case of private sector, it is a discretionary right of the employer.	
The Employees' Provident Funds and Miscellaneous Provisions Act, 1952	Section 5	Employee Provident Fund Organisation (EPFO) is the national organisation which manages this retirement benefits scheme for all salaried employees. Any organisation with more than 20 employees is legally required to register with EPFO. Any employee can opt out of the scheme provided they do it at the beginning of their career. The amount cannot be withdrawn at will. The rules limit the withdrawal amount and term of years in service. Once registered, both employer and employee have to contribute 12 % of the employee's salary to the fund. If the employer does not pay his share or deduct the entire 12 % from the employee's salary, he can be taken to PF Appellate Tribunal for redressal.	

ByteComply

Empower your tech startup with clarity and confidence. Our platform simplifies the landscpae of Indian regulatory compliances, allowing you to innovate without the hassle of deciphering regulations ...

- User feedback highlighted that the initial website's UI lacked appeal and seemed overly simplistic.
- Users expressed dissatisfaction with the uninspiring design, citing a lack of visual hierarchy and engaging elements.
- To address these concerns, we revamped the UI by incorporating vibrant colors, modern typography, and interactive features.
- The goal was to create a visually dynamic and memorable experience that resonates with user preferences and enhances engagement.
- Additionally, we have added more features and increased the dynamism of the website to provide users with a more interactive and engaging experience.
- These updates aim to enrich the functionality of the website while offering a comprehensive and satisfying user experience that meets evolving needs and expectations.

Future Prospects

- Login Feature: Introducing personalized accounts will enable users to customize their experience, track progress, and save preferences, fostering deeper engagement and long-term usage.
- AI Chat Bot Integration: Real-time assistance through an AI chat bot will provide instant support for compliance queries, improving accessibility and user satisfaction.
- Deadline Reminders: Implementing automated notifications for form submissions will help startups stay on track with compliance obligations, reducing the risk of non-compliance and penalties.

THANK YOU!