



FixBee

PROJECT PROPOSAL

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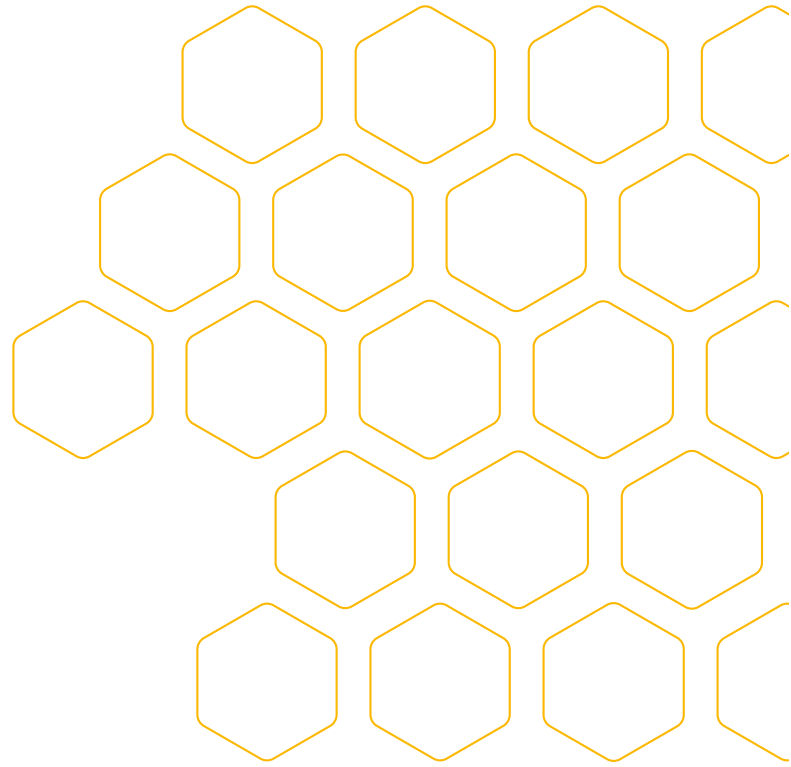
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Project Overview

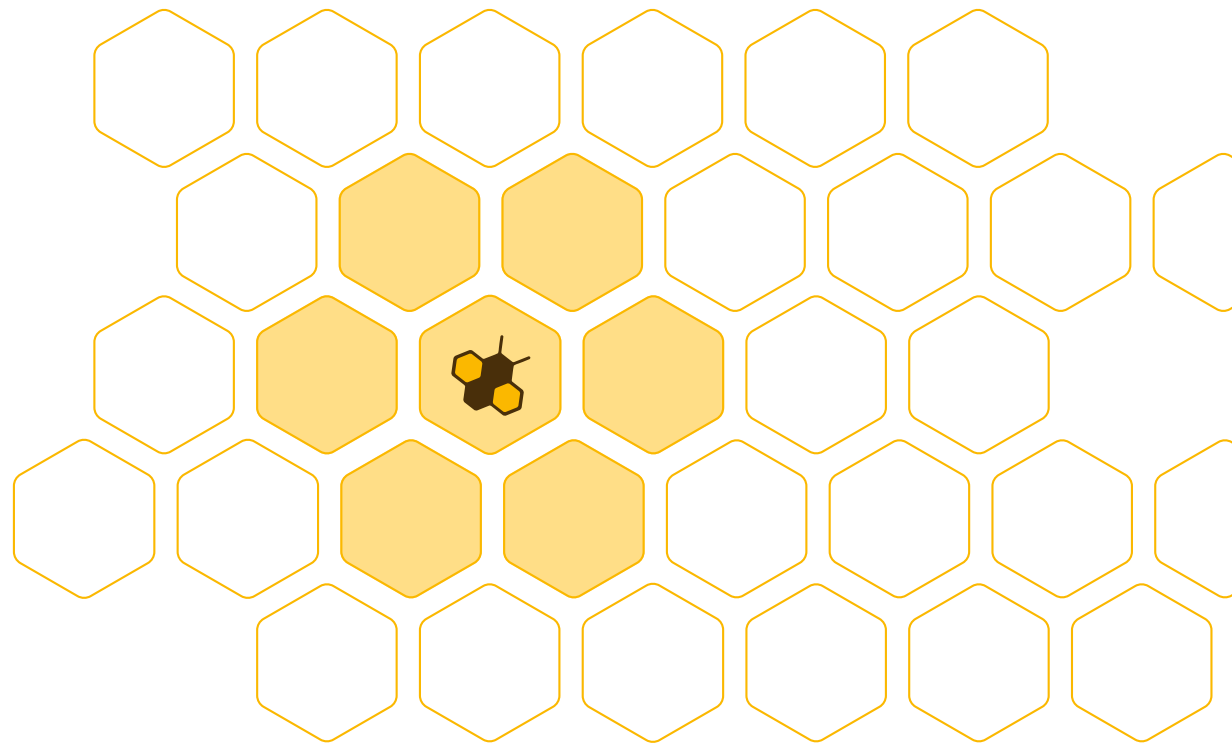


Opportunities

The Home Repair Journey Is Fragmented

Home maintenance issues often happen unexpectedly, but many homeowners and tenants don't know how to identify the problem, estimate repair costs, or find a trusted professional. Searching online usually leads to confusing advice, unreliable information and uncertainty about what to do next.

At the same time, comparing multiple service providers, understanding repair urgency and avoiding unnecessary expenses can be overwhelming. This often results in delayed repairs, higher costs and unnecessary stress.



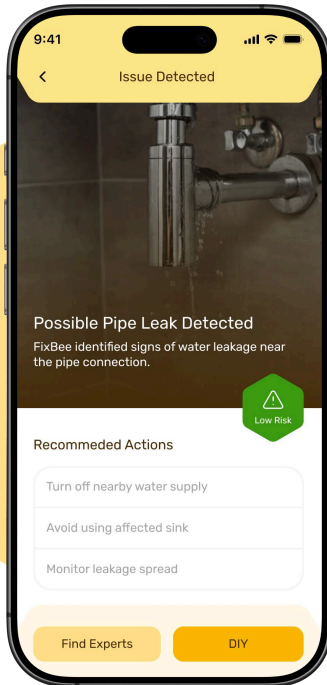
The Solution

Simplifying every step of the home repair journey.

FixBee is a smart home repair assistant that helps homeowners and renters quickly identify household issues by simply uploading a photo. Using intelligent image recognition, FixBee detects the problem, assesses its severity, provides estimated repair costs and completion time and recommends trusted nearby service professionals.

With an intuitive and user-friendly experience, FixBee empowers users to make informed repair decisions, follow guided DIY solutions for minor issues or connect with the right professionals for more complex repairs saving time, reducing stress and avoiding unnecessary costs.

Main Features

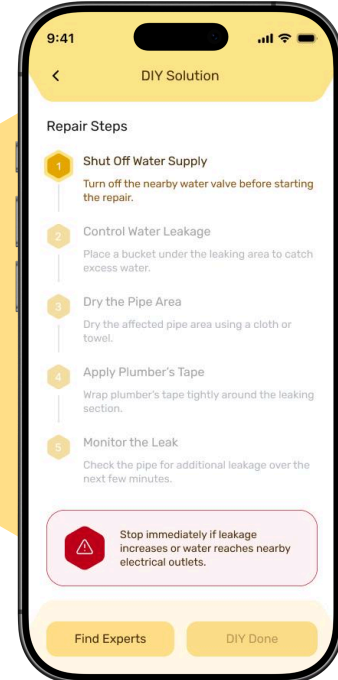


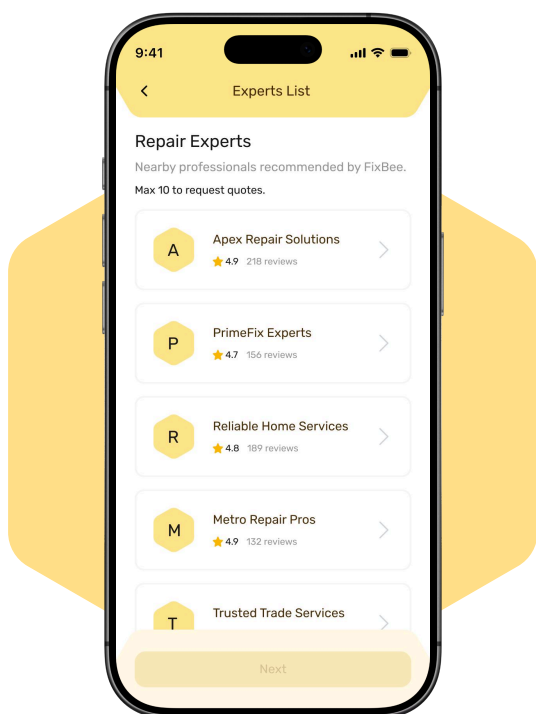
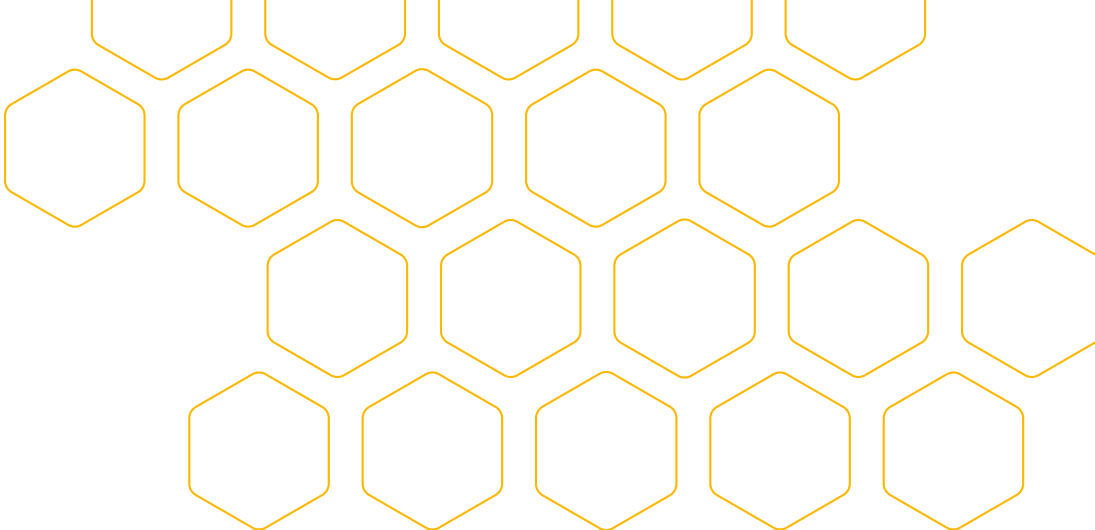
Smart Issue Detection

Upload a photo and let the smart assistance instantly identify the problem, its possible cause and the urgency of the repair.

DIY Repair Solutions

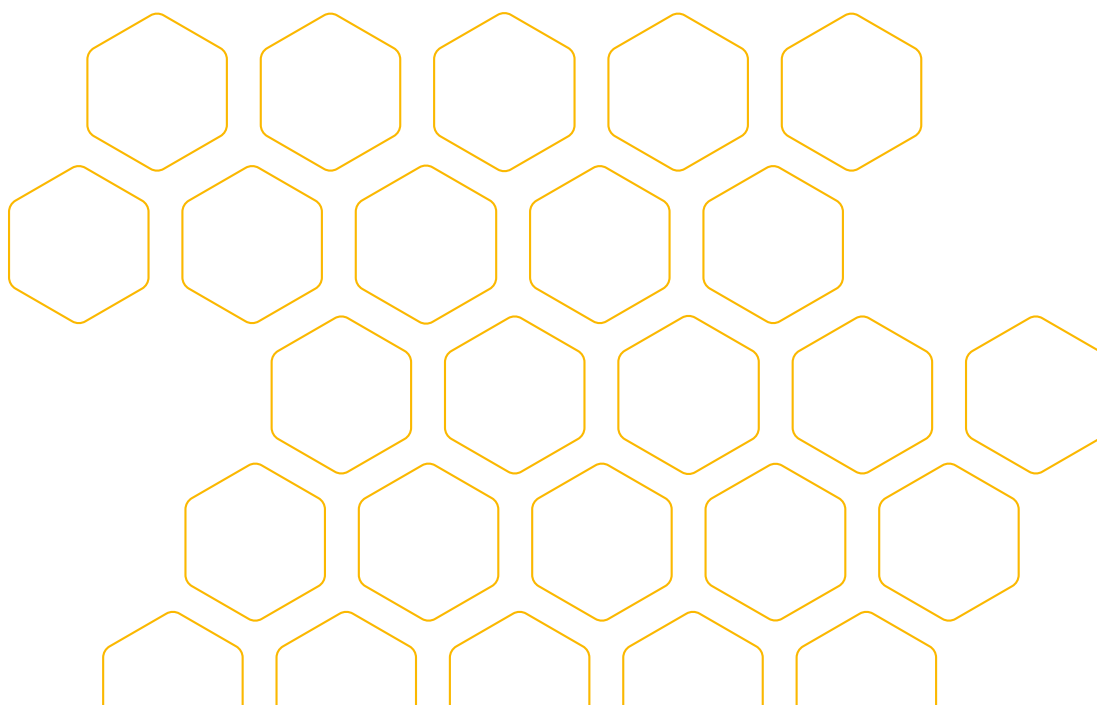
Get easy-to-follow repair guides, safety tips and recommended tools to fix minor household issues yourself.



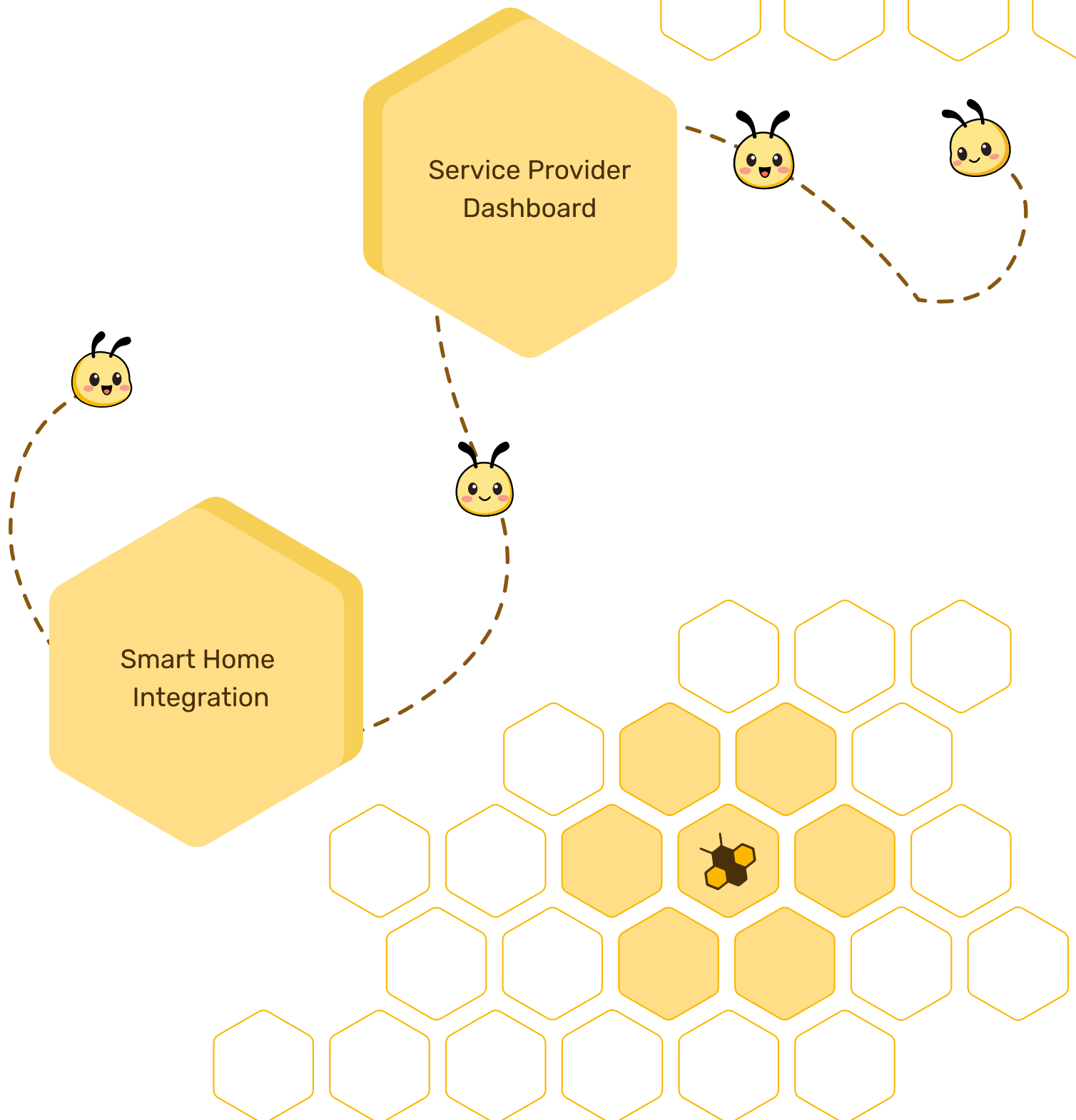


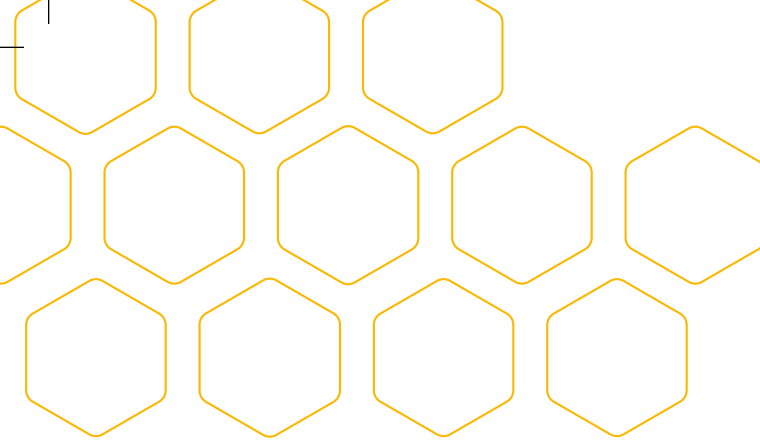
Provider Recommendations

Find trusted local professionals, compare ratings and pricing and book the right expert with confidence.



Future Features





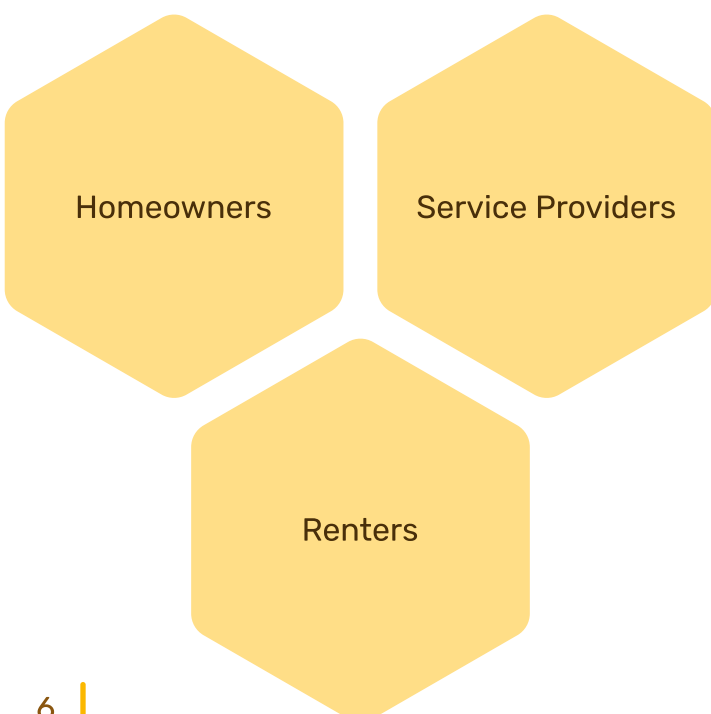
Market Analysis

Canada Home Repair Market

- \$80B+ annual home renovation and repair market in Canada.
- 67% of Canadian homeowners undertake home repairs or renovations.
- Rising demand for digital - first home service solutions that simplify issue identification and connect users with trusted professionals.
- Homeowners increasingly rely on mobile apps and online platforms to research and book repair services.

Canadian Home renovation & repair industry (Annually)

The Canadian home renovation and repair industry generates over \$80 billion annually, driven by increasing demand for home maintenance, emergency repairs and renovation projects.



Target Audience

Homeowners

Maintain their homes with quick issue identification, DIY guidance and access to trusted repair professionals.

Renters

Understand repair issues before contacting landlords and find the right solution for minor maintenance problems.

Service Providers

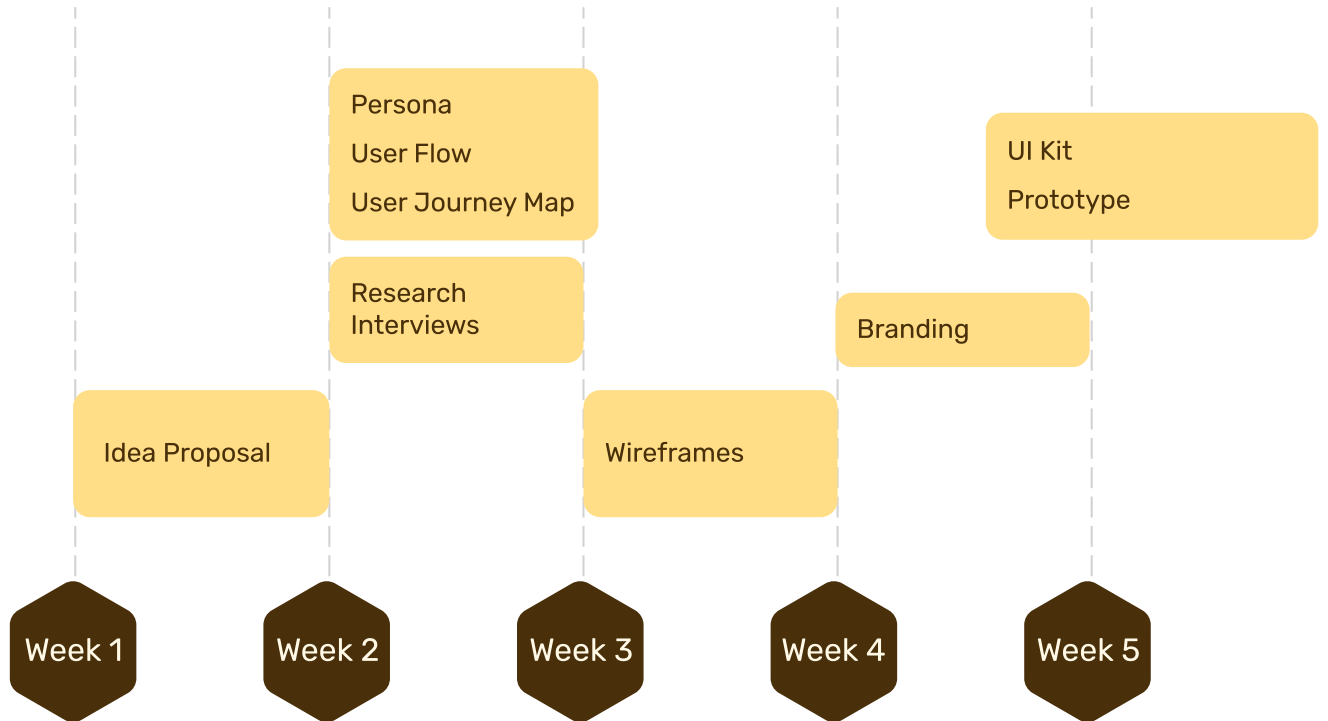
Receive qualified repair requests from nearby customers, helping them connect with potential clients more efficiently.

Competitors Analysis

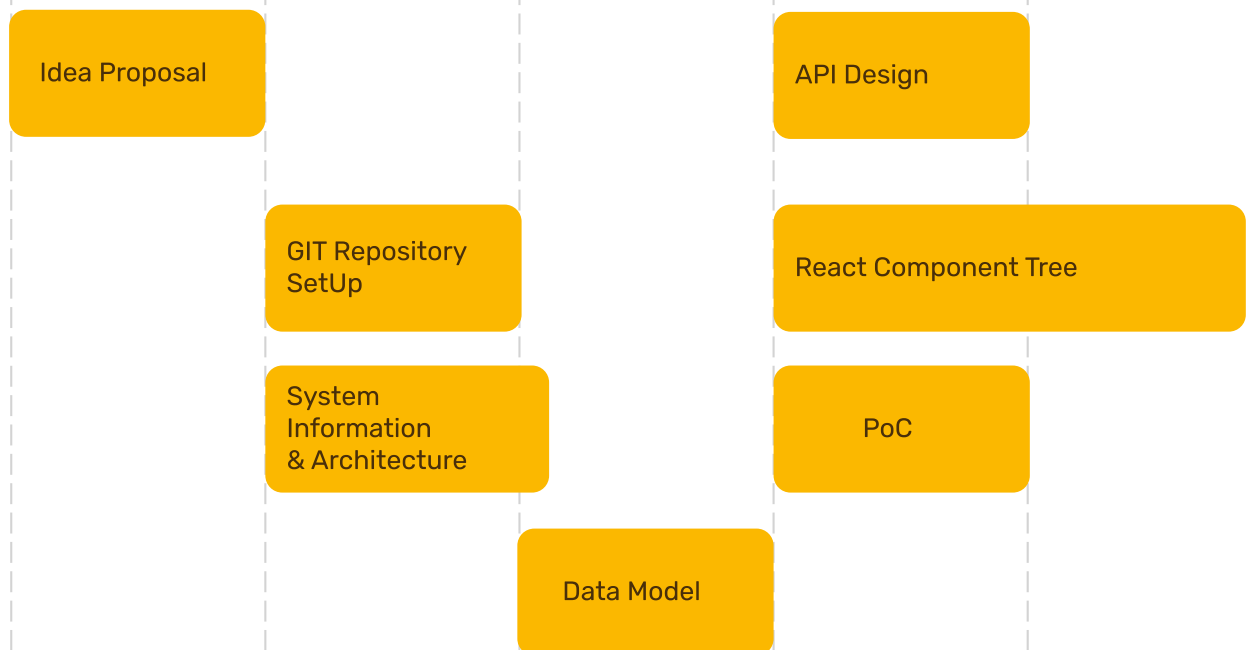
	 FixBee	 TaskRabbit	 Thumbtack
AI Photo Detection	✓	✗	✗
DIY Recommendations	✓	✗	✗
Repair Cost Estimates	✓	✗	✓
Repair Time Estimates	✓	✗	✗

Project Timeline

Design



Development

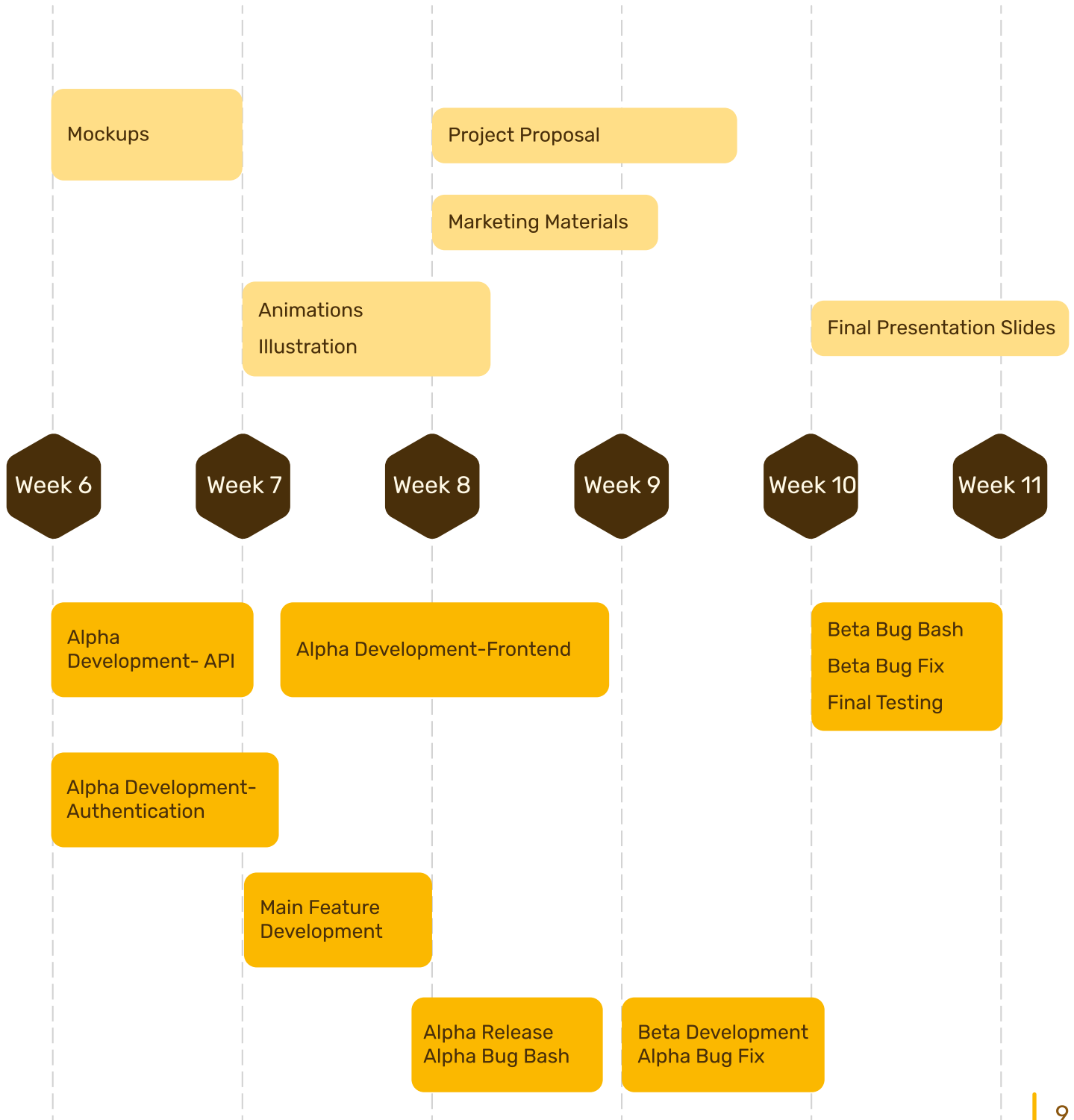




Design Tasks



Development Tasks





Design Overview

User Journey Map



Paul Vincent

👤 Age: 68 👤 Older Homeowner 📅 Retired Teacher

⚡ Tech Comfort: Low

Stage 1

Notifies Issue

Stage 2

Searches for
Help

Stage 3

Evaluates
Solutions

Stage 4

Takes Action

Stage 5

Reflects on
Experience

✓ Actions

Discovers water
stain on ceiling

Asks neighbour
for
Recommendation

Reviews options
with family
member

Books repair with
FixBee assistance

Shares positive
experience with
friends

💬 Thoughts

"Who can help me
with this?"

"I wish there was
an easier way..."

"I need someone
trustworthy..."

"The support team
was so helpful!"

"I can handle my
home repairs
now!"

⚠️ Pain Points

Overwhelmed by
technology and
options

Difficulty
navigating
complex websites

Concerns about
scams targeting
seniors

Need for human
assistance in
booking

N/A

💡 Opportunities

Simple, guided
interface with
phone support

One-click call
option and voice
assistance

Senior-verified
professionals and
family sharing

Dedicated senior
support line

Referral program
for word-of-mouth
growth

User Personas

"Simple, fast, reliable.
That is all I ask"



Javed Khan

Age: 58

Occupation: **Property Owner**

Bio

Javed manages both his home and a rental property. He often receives repair complaints from tenants but finds online research confusing and time-consuming. He wants a quick and simple way to identify issues, estimate repair costs, and connect with reliable local contractors.

Needs

- AI issue detection
- Cost estimation
- Nearby verified professionals
- Repair urgency indicators
- Simple step-by-step repair guidance

Frustrations

- Too many confusing contractor options
- Expensive repairs
- Difficulty understanding issue urgency
- Time wasted researching online
- Unclear repair estimates

Behaviour

- Searches Google for repair information
- Calls family or contractors for advice
- Manages repair issues for tenants
- Compares repair costs before hiring

Javed wants to quickly identify repair issues, reduce costs, respond faster to tenants and find reliable local contractors while keeping repair records organized.

"It has to be really very
readily accessible"



Paul Vincent

Age: 67

Occupation: **Retired Lawyer**

Bio

Paul is an experienced homeowner who still finds some repair issues difficult to identify. Due to mobility limitations, repairs can feel stressful, so he prefers simple and accessible technology that clearly explains problems and provides trustworthy solutions.

Needs

- Simple interface
- Human-friendly explanations
- Multiple solution suggestions
- Easy access to repair professionals
- Reliable and trustworthy guidance

Behaviour

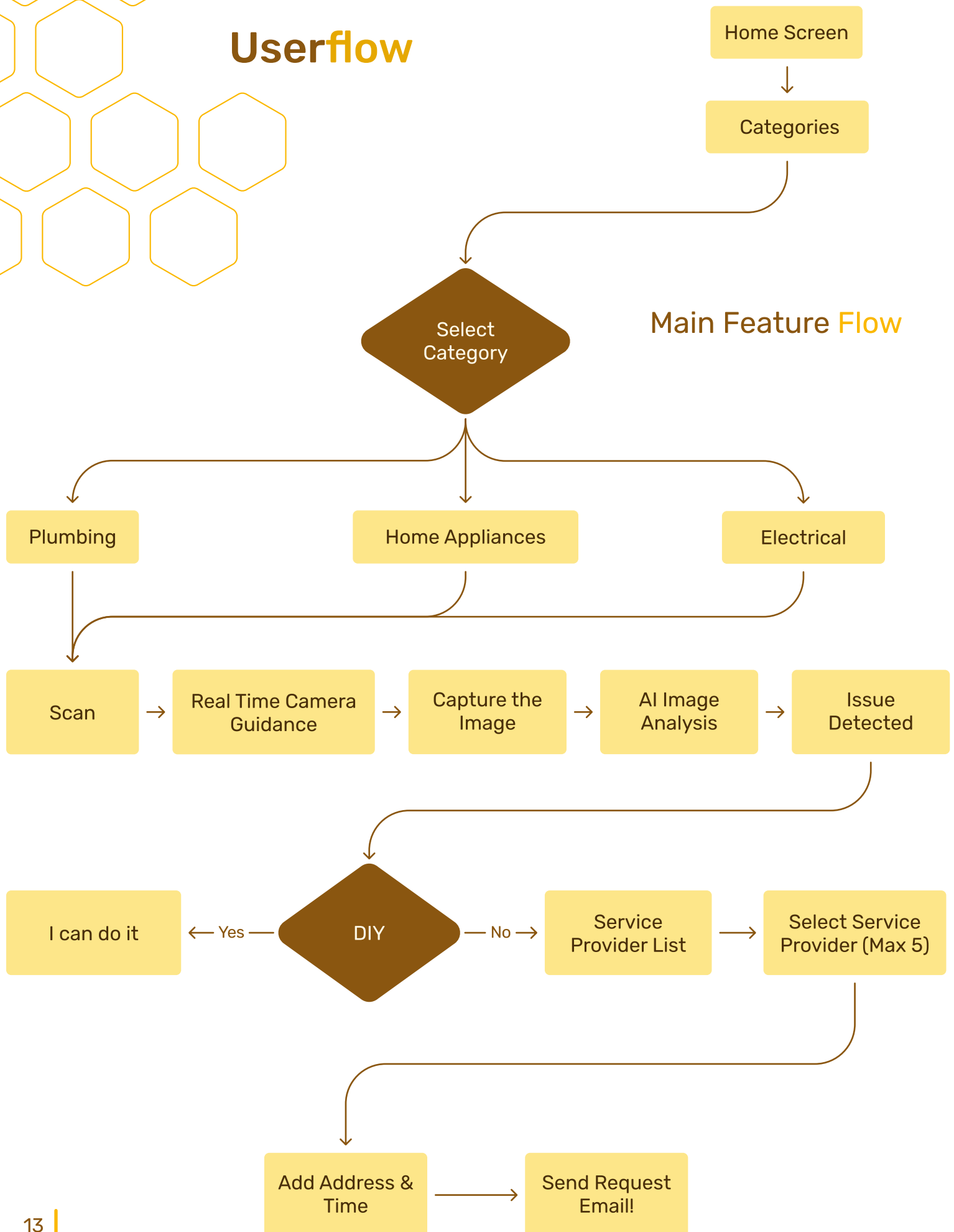
- Uses Google and AI cautiously
- Double-checks information before acting
- Prefers simple digital experiences
- Contacts professionals for complex issues

Frustrations

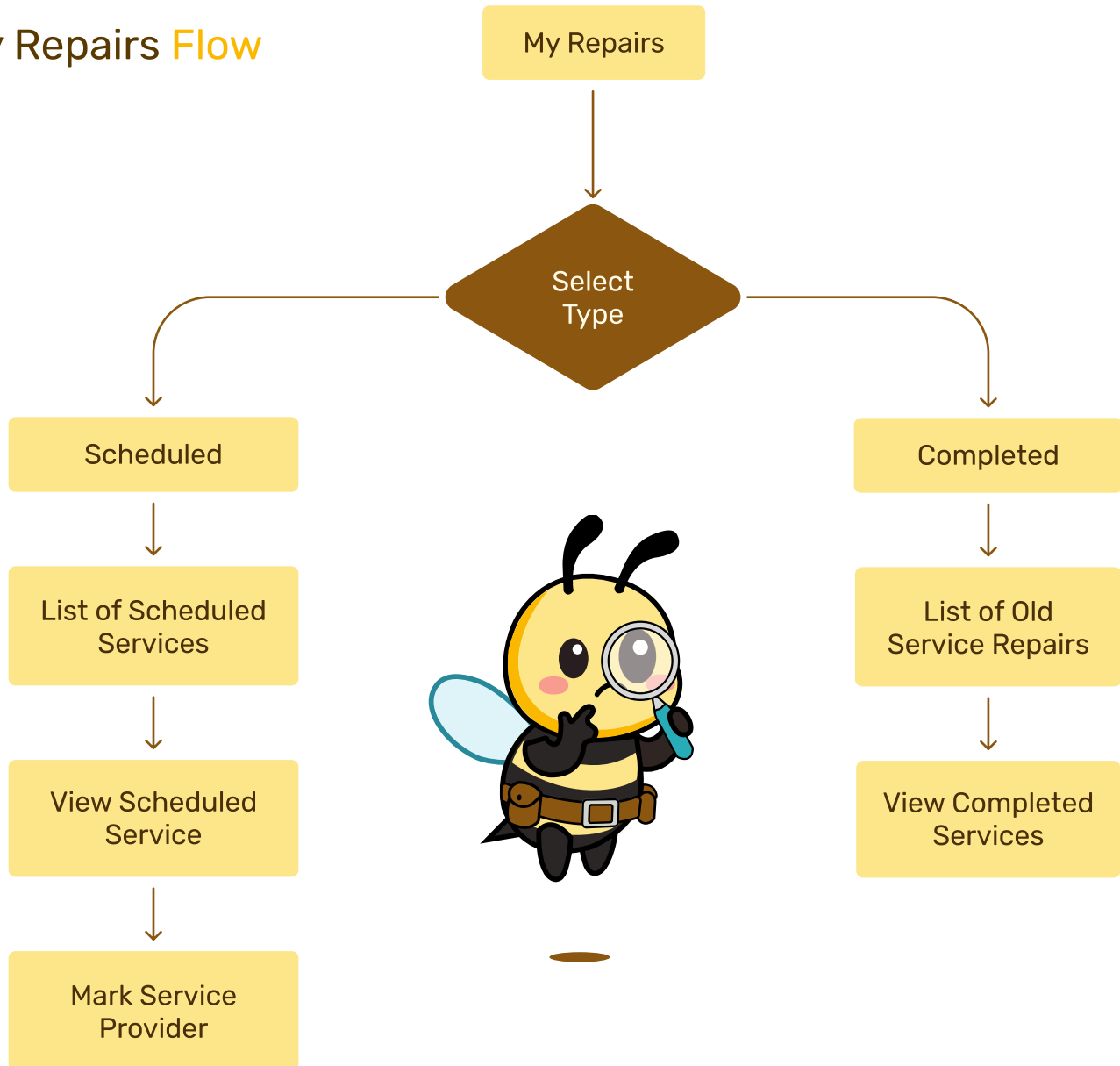
- Complicated applications
- Too much technical information
- Difficulty trusting AI completely
- Hard-to-identify repair problems

Paul wants a simple and accessible way to understand repair problems, save time and make informed decisions using trustworthy repair guidance.

Userflow

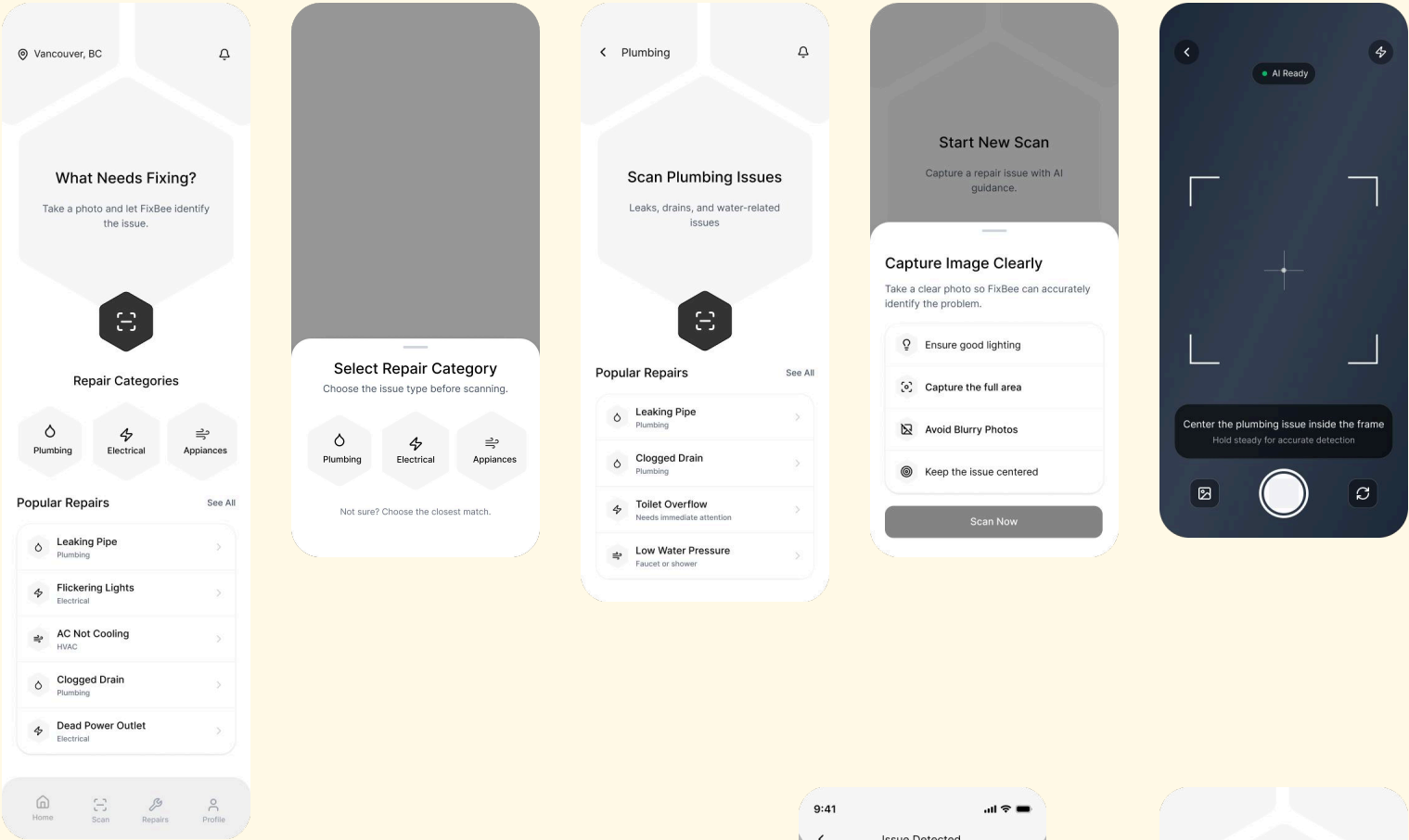


My Repairs Flow

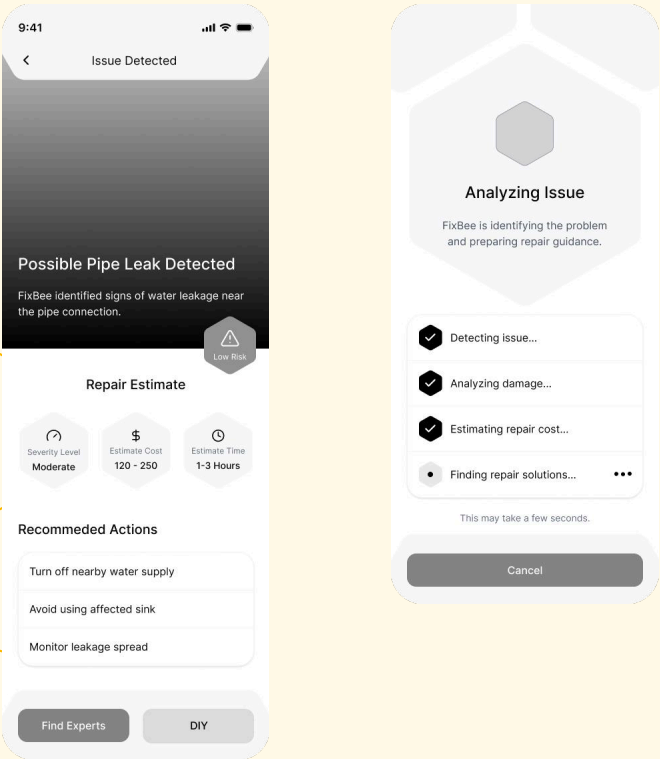


Wireframes

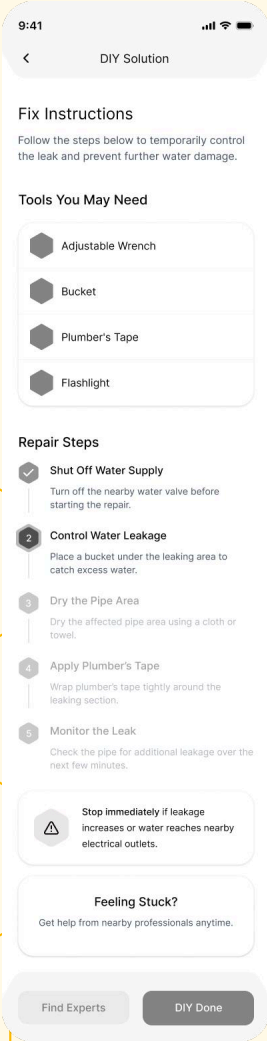
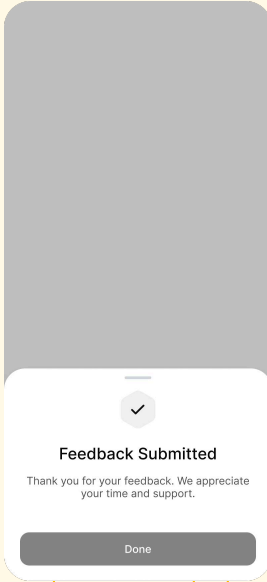
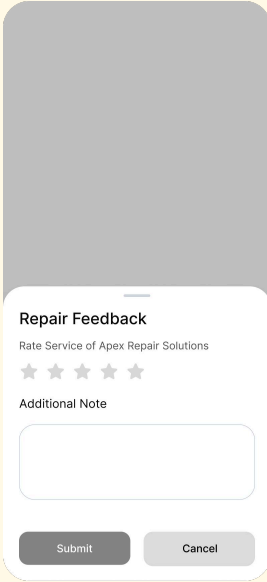
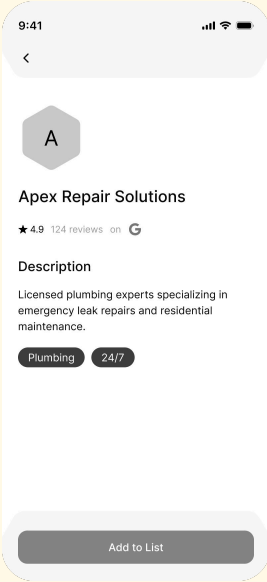
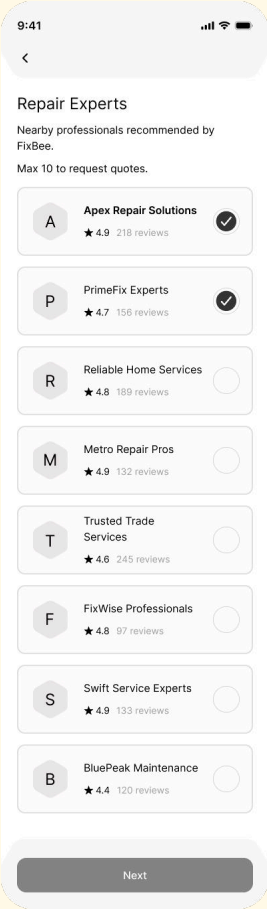
Scan Screens



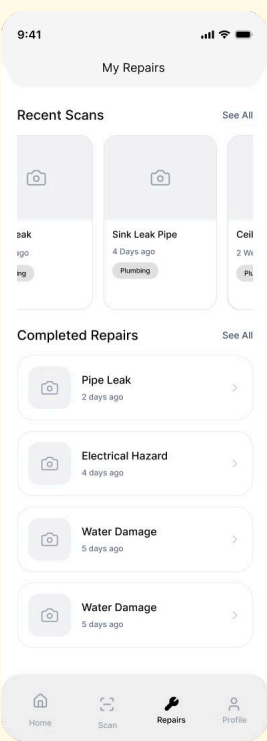
Issue Detected Screen



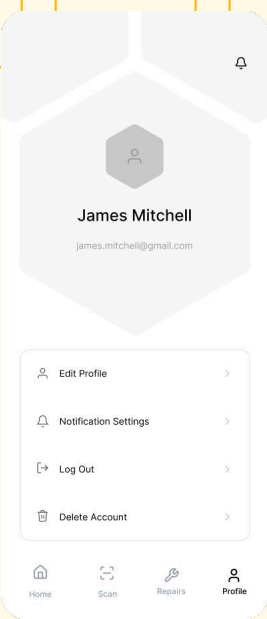
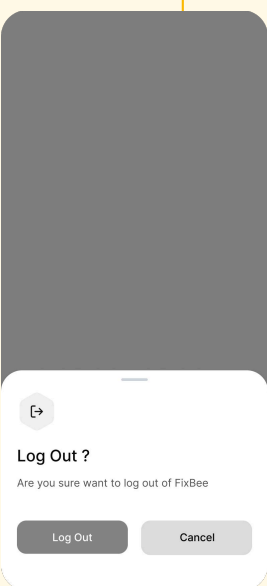
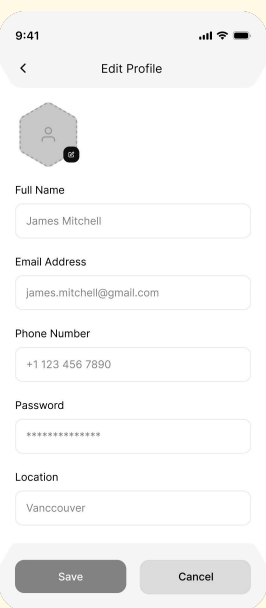
Service Provider List screens



My Repair screen

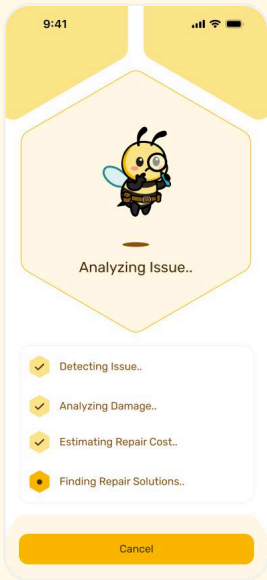
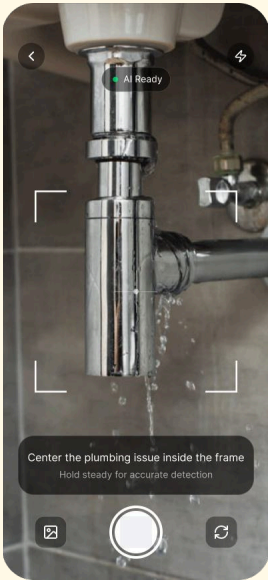
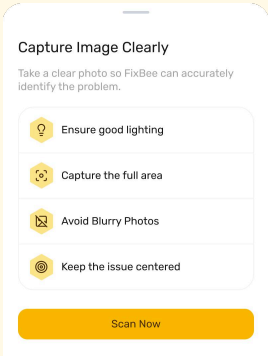
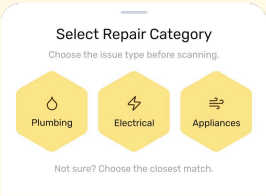
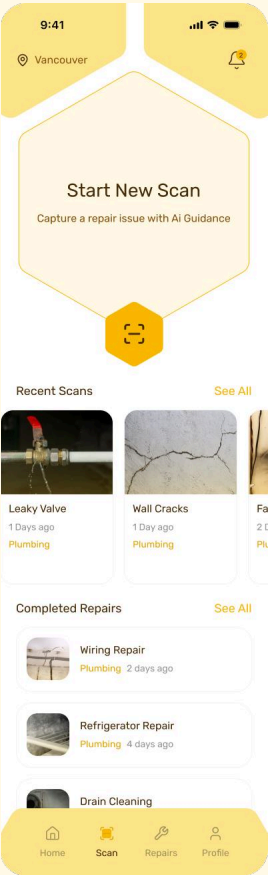


Profile Screens

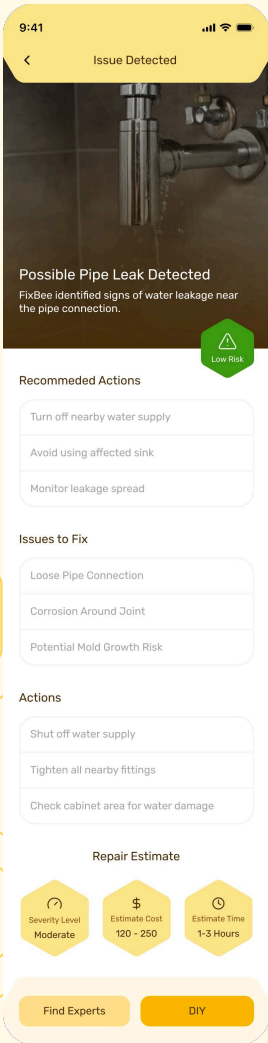


Mockups Screens

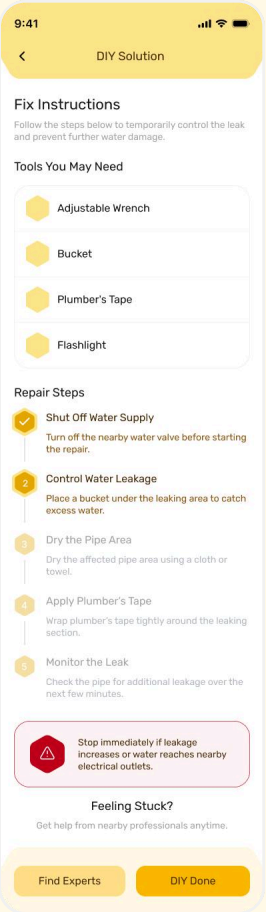
Scan screens



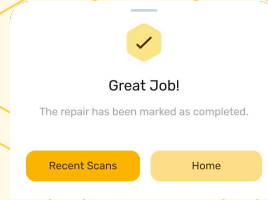
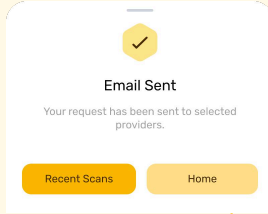
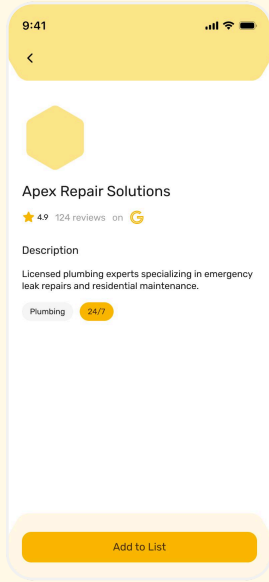
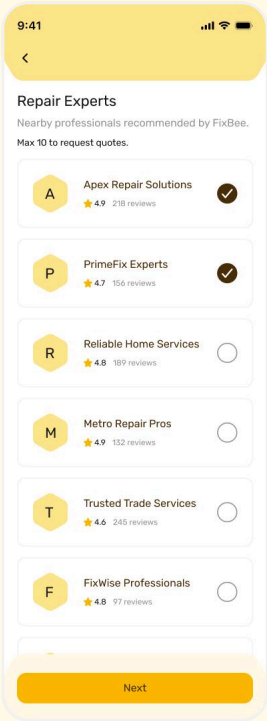
Issue Detected Screen



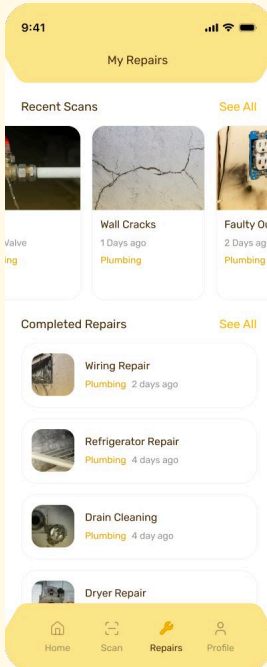
DIY Screen



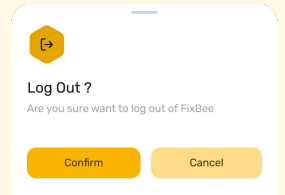
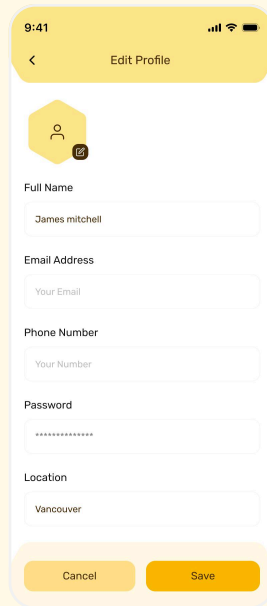
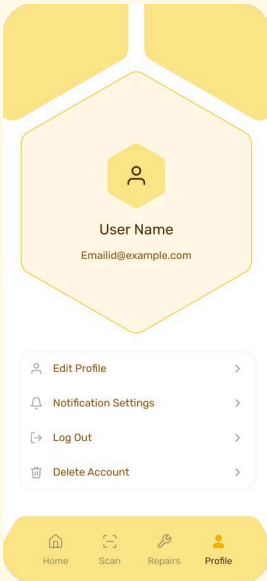
Service Provider List Screen



My Repair screen

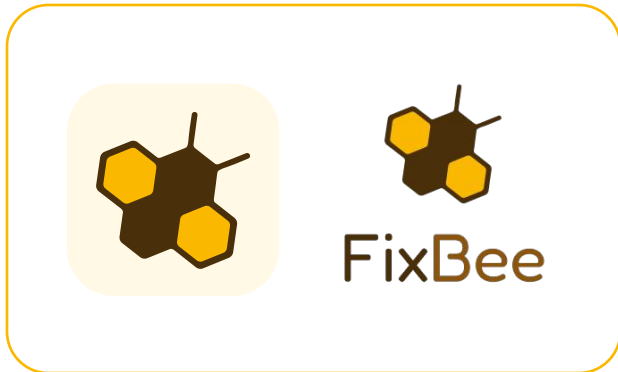


Profile Screens

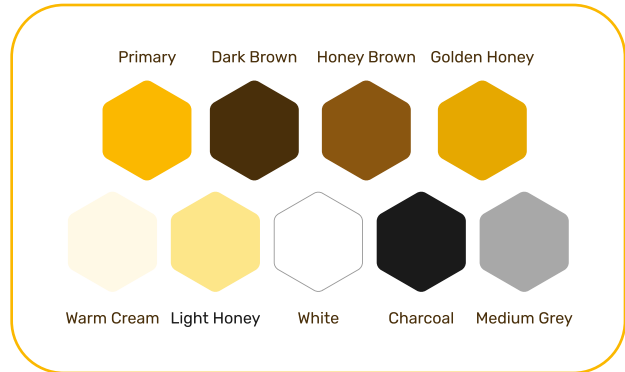


Branding

Logo Icon



Colour Palette



Typography

Aa

Rubik

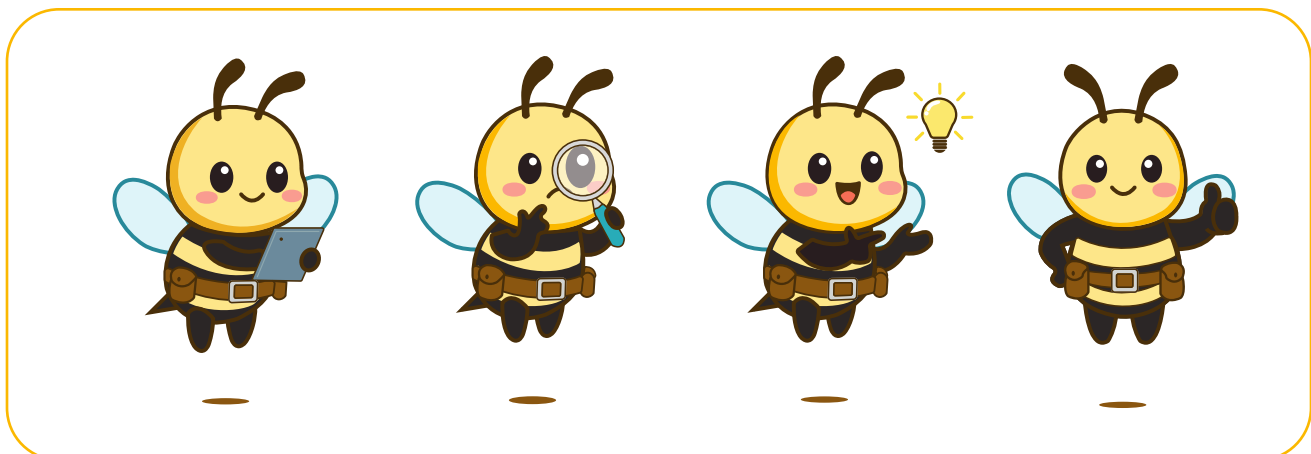
Aa

Fredoka

Fredoka features rounded terminals, soft curves and a bold geometric structure, giving the brand a friendly, approachable and playful personality.

Rubik has a balanced x-height, clean strokes and rounded corners that enhance readability while maintaining a modern, professional appearance for body text.

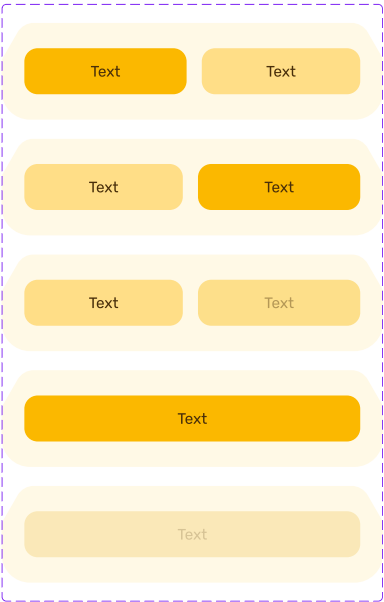
Mascot



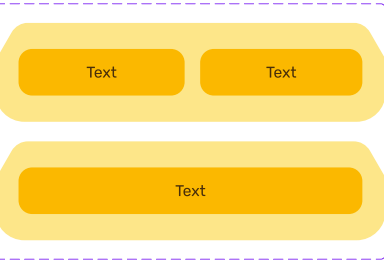
Header



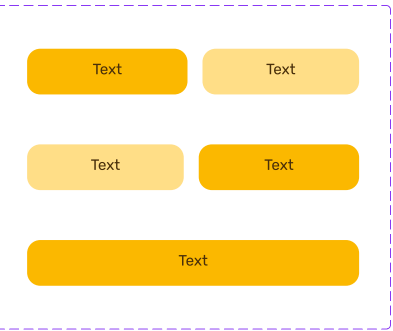
Nav Buttons



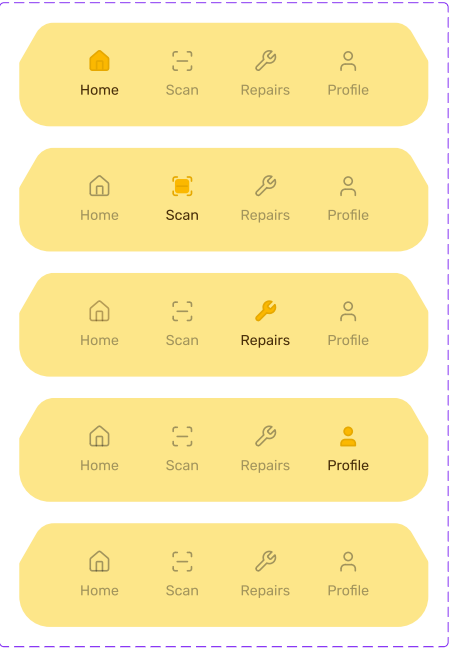
Nav Buttons V2



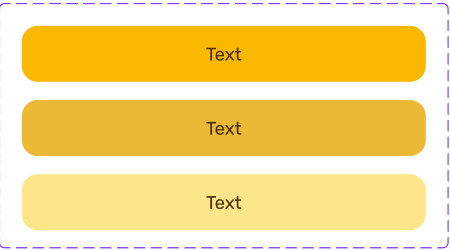
Buttons Nav Popup



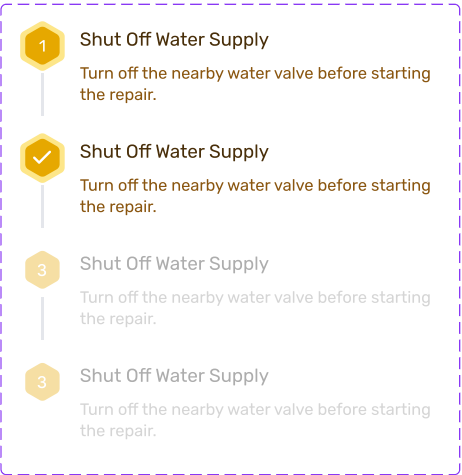
Nav Bar



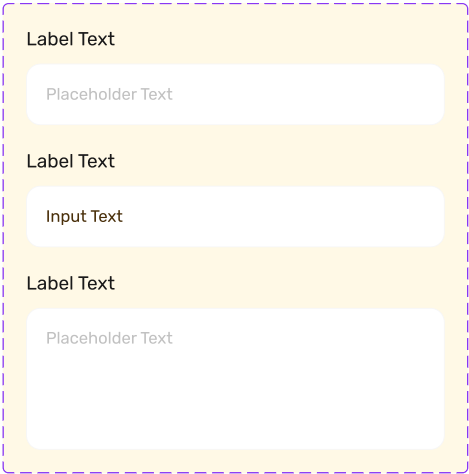
Buttons



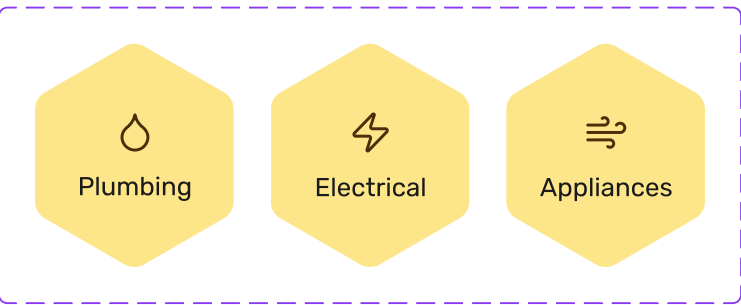
DIY Guidance



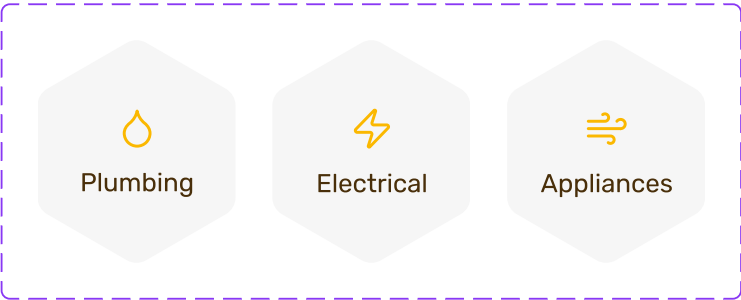
Input Fields



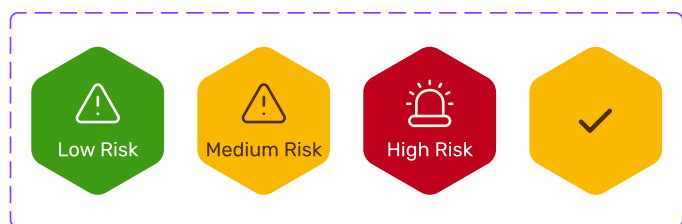
Category Card V1



Category Card V2



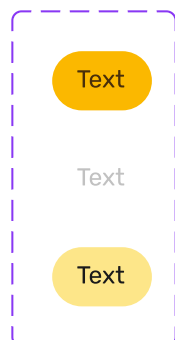
Risk Levels



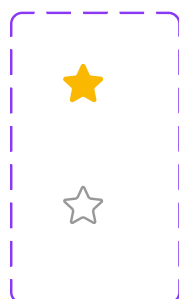
Repair Estimate



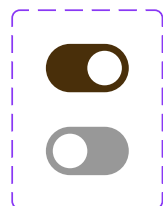
Tags



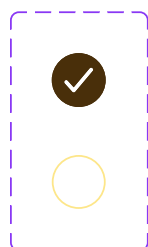
Ratings



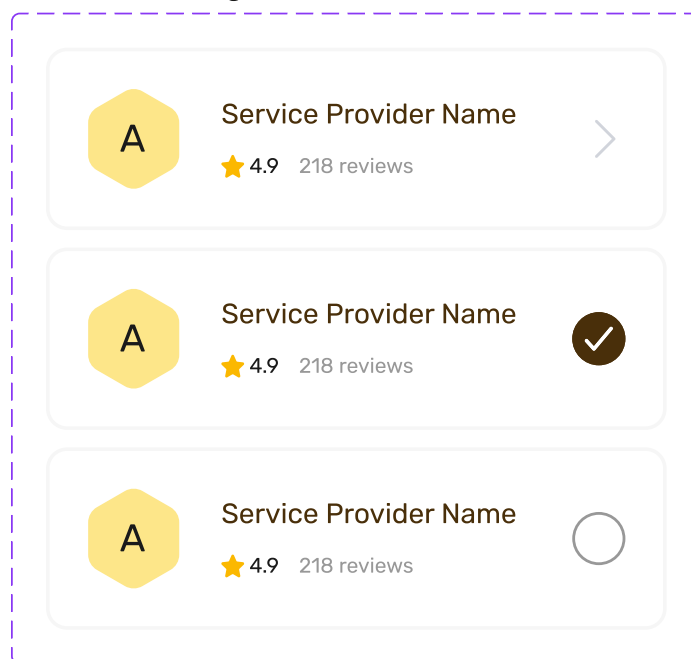
Toggles



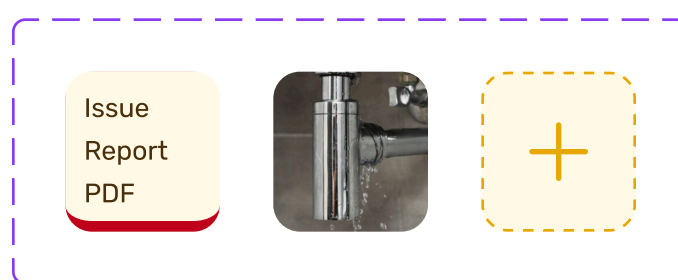
Checkbox



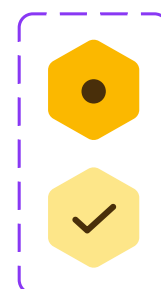
Provider Listing Card



Email attachments



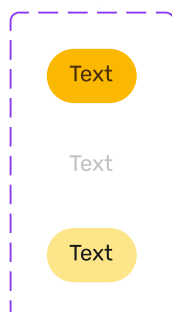
Processing Icons



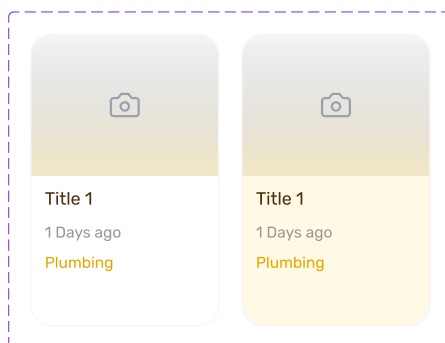
Edit Profile Photo



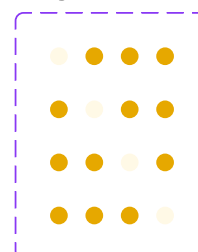
Tags



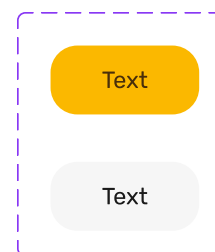
Recent Scan Card



Pagination



Selection Buttons



Profile Content Table

	Edit Profile	>
	Notification Settings	>
	Log Out	>
	Delete Account	>
	Edit Profile	>
	Notification Settings	>
	Log Out	>
	Delete Account	>
	Edit Profile	>
	Notification Settings	>
	Log Out	>
	Delete Account	>
	Edit Profile	>
	Notification Settings	>
	Log Out	>
	Delete Account	>
	Edit Profile	>
	Notification Settings	>
	Log Out	>
	Delete Account	>

Pending Scan Cards

 Title
Plumbing 1 day ago

 Title
Plumbing 1 day ago

Select Service Provider

☐ A First Text

☐ A Middle Text

☐ A Middle Text

☐ A Last Text

Service Address

Street Address

Apartment / Unit (Optional)

 Use Current Location

Issue Scan

What Needs Fixing?

Capture the issue and let FixBee analyze it for you.





User Name

Emailid@example.com



Analyzing...

FixBee is identifying the problem and preparing repair guidance.

Icons









Technical Overview

Tech Stack

Design



Figma



Illustrator



After Effects

Development



Expo



React



Node.js



Express



MongoDB



YoloV8



Redis



Railway



Vercel

Communication



Slack

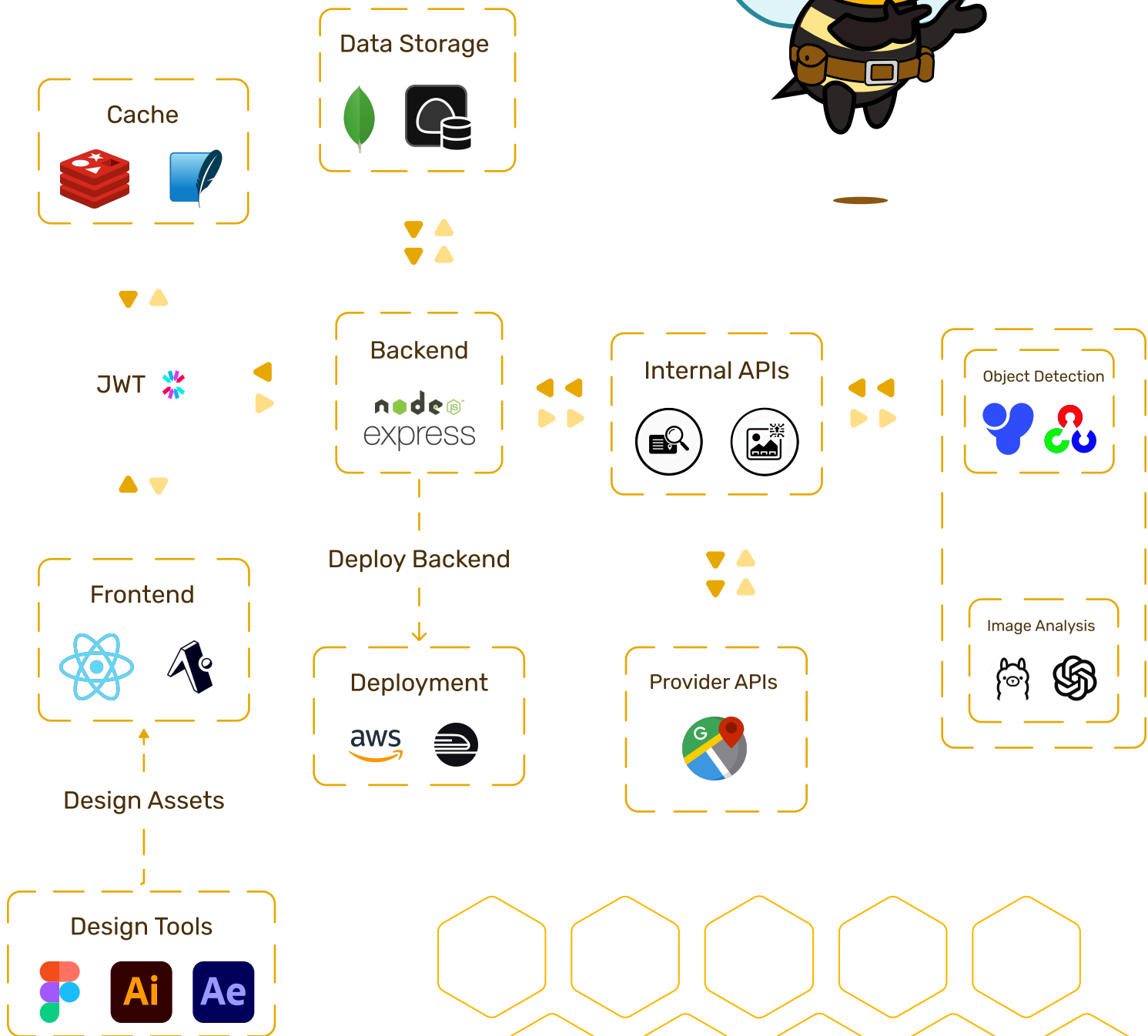


GitHub

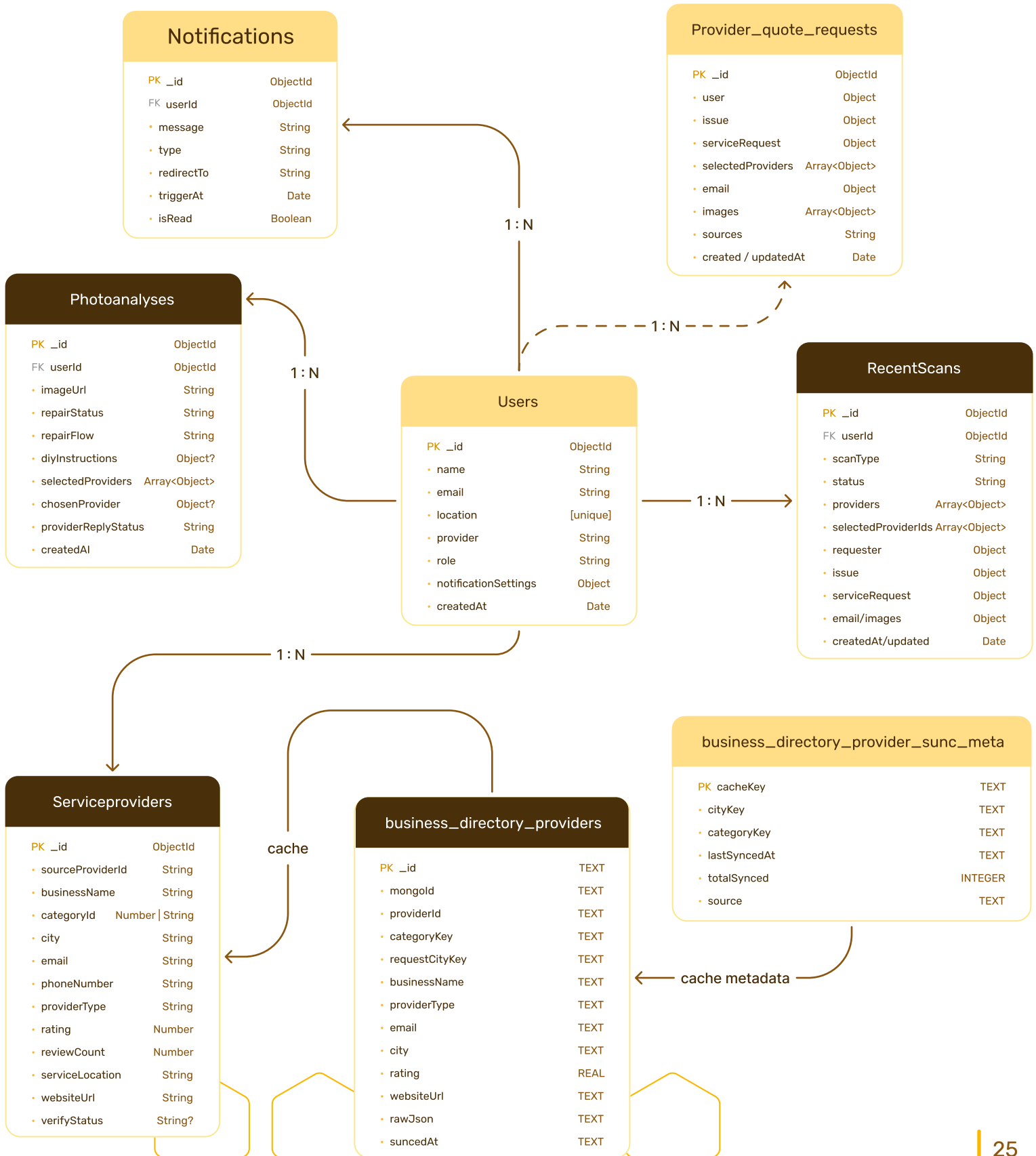


Jira

System Architecture



Data Model



FixBee Team

Designers



Ankit Kate UI/UX Designer (Co-Lead)

Led FixBee's UX/UI design, including user research, user flows, wireframes, high-fidelity designs, branding, design system, and prototyping.

 [ankitkate](#)  www.ankitkate.com



Theertha Vinod UI/UX Designer (Co-Lead)

Co-led UX/UI design by conducting user research, creating personas, user flows and wireframes, building a design system and developing interactive prototypes

 [/theerthaavinod](#)  www.theerthavinod.com



Mekhala Mannapatt UI/UX Designer

Contributed to FixBee's UX/UI design through user research, high-fidelity mockups and the creation and animation of the bee mascot.

 [/mekhalamanappatt](#)  [/mekhalamuraly](#)



Developers



Anmol Singh Full-Stack Developer (PM)

Developed FixBee's frontend and backend features, including service provider search, location-based listings, email quote requests, and third-party API integration.

 /anmol-singh-tech  /anmolss-tech



Kumaraswamy Barapati Full-Stack Developer (Lead)

Led FixBee's development, architecting the backend, implementing the local LLM, assigning development tasks, and building the landing page.

 /kumaraswamy-barapati  /kumaraswamy-barapati



Dalbir Singh Full-Stack Developer

Developed FixBee's AI-powered features, including image analysis, repair recommendations, DIY guidance, scan history, PDF reports, and API integration.

 /dalbir-singh-tech  /dalbirsodhi



Amritpal Singh Full-Stack Developer

Developed FixBee's frontend and backend systems, including AI-powered image detection, camera workflow, image processing, cloud storage, and scan functionality.

 /amritpal-singh-tech  /amritpalx



Deep Patel Full-Stack Developer

Contributed to frontend and backend development, implementing Google Sign-In authentication, notifications, scan flow, dashboard, and user profile.

 /deep-patel-tech  /deep-patel-tech

Sources

<https://www.chba.ca/rmi/>

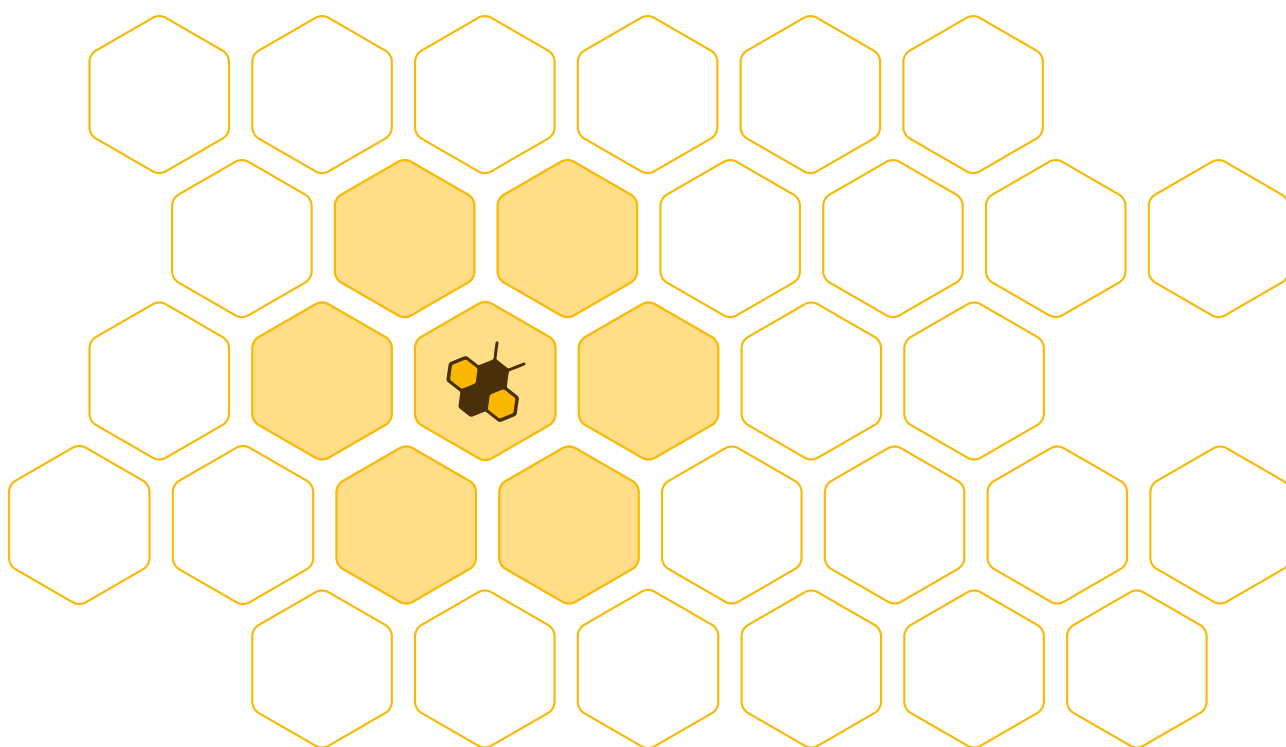
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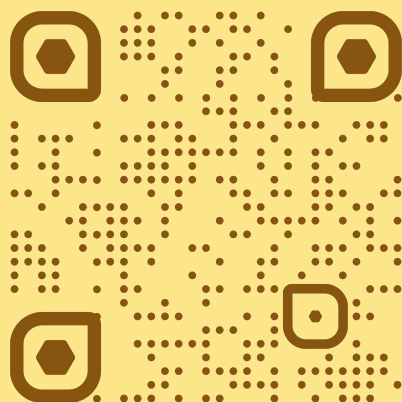
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