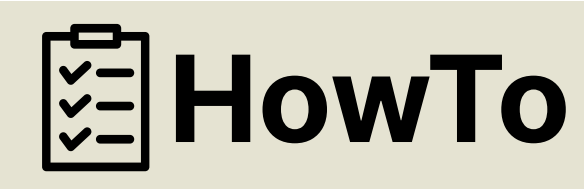
HowTo

How to do anything in the world.



Brief

Our web application connects individuals seeking digital tasks completed with skilled professionals who can efficiently accomplish these tasks for a fee, facilitating a seamless exchange of services and payments.

Problem

In today's fast-paced digital world, individuals often struggle to find reliable and skilled professionals to complete their digital tasks efficiently and affordably. Existing platforms may lack transparency, quality control, or fail to adequately match task requirements with suitable talent. This results in wasted time, frustration, and potential quality issues for both clients and executors.

Solution

Our web application addresses these challenges by providing a user-friendly platform where individuals can easily post their digital tasks and connect with verified professionals who possess the necessary skills and expertise. Through transparent profiles, ratings, and reviews, clients can confidently select the right executor for their needs. Our platform streamlines the entire process, from task posting to payment, ensuring a smooth and reliable experience for both clients and executors. By fostering trust, efficiency, and convenience, we empower clients to efficiently accomplish their digital tasks while enabling skilled professionals to monetize their expertise.

The release of funds for tasks and guides

Payfast and paystack will be crucial for all kinds of payment functionality to be used here. The support team will be able to release the funds to the executor once the task has been completed. The support team will then mark the task as completed, and the executor will be able to see that the task has been completed. The support team will then be able to download the proof of payment and then process the payment from the bank account of the company that owns the web application. The support team will then mark the payment as completed, and the executor will be able to see that the payment has been completed.

Refunds

There should be an open window for a client to make a dispute about the task execution and potential refund. The support team will then investigate the dispute and then make a decision on whether the client should be refunded or not. The support team will then mark the task as refunded and then release the

funds to the client. The support team will then be able to download the proof of payment and then process the payment from the bank account of the company that owns the web application. The support team will then mark the payment as completed, and the client will be able to see that the payment has been completed.

Task Kinds

1. Ongoing
2. One-off

Task Categories

1. Programming: This category will include tasks like consulting on a project, fixing a bug, and writing a script.
2. Web Development : This category will include tasks like building a website, fixing a website, and maintaining a website.
3. Content Creation: This category will include tasks like writing a blog post, creating a video, and designing a logo.
4. Digital Marketing: This category will include tasks like running a social media campaign, creating an email marketing campaign.
5. Graphic Design: This category will include tasks like designing a poster, creating a logo, and creating a business card.
6. Multimedia Production: This category will include tasks like creating a video, creating a podcast, and creating a presentation.
7. Mobile App Development: This category will include tasks like building an app, fixing an app, and maintaining an app.
8. E-commerce Solutions: This category will include tasks like setting up an online store, fixing an online store, and maintaining an online store. Specifically using Shopify, Amazon, and Takealot.
9. Consulting Services: This category will include tasks like consulting on a project, consulting on a business, and consulting on a product.
10. Virtual Assistance: This category will include tasks like managing emails, managing social media, and managing a calendar.
11. Education and Training: This category will include tasks like creating a course, creating a workshop, and creating a webinar. Tutorial videos, and online courses. Online tutoring, and online training.
12. Audio Production: This category will include tasks like creating a podcast, creating a song, and creating a jingle.
13. Photography: This category will include tasks like taking a photo, editing a photo, and creating a photo album.

Task Examples

1. Website Building/Development
2. Content Writing/Copywriting
3. Social Media Marketing
4. Search Engine Optimization (SEO)
5. Graphic Design
6. Logo Design

7. Video Editing/Production
8. Animation
9. Email Marketing
10. Digital Advertising Campaign Management
11. Web Application Development
12. Mobile App Development
13. UX/UI Design
14. E-commerce Development
15. Content Creation (blogs, articles, videos, podcasts)
16. Digital Strategy Consulting
17. Data Analysis and Reporting
18. Virtual Assistant Services
19. Online Course Creation/Training Material Development
20. Audio Production/Podcasting Services
21. Photography/Videography

Functional Requirements

1. Users should be able to create an account on the web application.
2. Users should be able to log in to the web application.
3. Users should be able to log out of the web application.
4. Users should be able to reset their password on the web application.
5. Users should be able to update their profile on the web application.
6. Users should be able to delete their account on the web application.
7. Clients should be able to post a task that they are hiring for on the web application.
8. Executors should be able to search for tasks that clients are hiring for on the web application.
9. Executors should be able to apply for tasks that clients are hiring for on the web application.
10. Clients should be able to see the applications that executors have made for their tasks on the web application.
11. Clients should be able to hire an executor for their task on the web application.
12. Clients should be able to pay the executor for the task that they have been hired for on the web application.
13. Executors should be able to see the tasks that they have been hired for on the web application.
14. Executors should be able to see the tasks that they have completed on the web application.
15. Support team users should be able to see the tasks that have been completed on the web application.
16. Support team users should be able to release the funds for the tasks that have been completed on the web application.
17. Executors should be able to see the tasks that they have been paid for on the web application.
18. Executors should be able to post their availability on the web application.
19. Executors should be able to attach their portfolio to their profile on the web application.
20. Executors should be able to attach their going rate to their profile on the web application.
21. Clients should be able to rate the executors that they have hired on the web application.
22. Clients should be able to review the executors that they have hired on the web application.
23. Executors should be able to see the tasks that they have been rated for on the web application.
24. Executors should be able to see the tasks that they have been reviewed for on the web application.

25. Support team users should be able to see the tasks that have been rated on the web application.
26. Support team users should be able to see the tasks that have been reviewed on the web application.
27. Support team users should be able to see the tasks that have been disputed on the web application.
28. Support team users should be able to handle a dispute on the web application.
29. Suppport team users should be able to refund a client on the web application.
30. The website should have an FAQ page.
31. The support should be able to create a new category on the web application.

Non-Functional Requirements

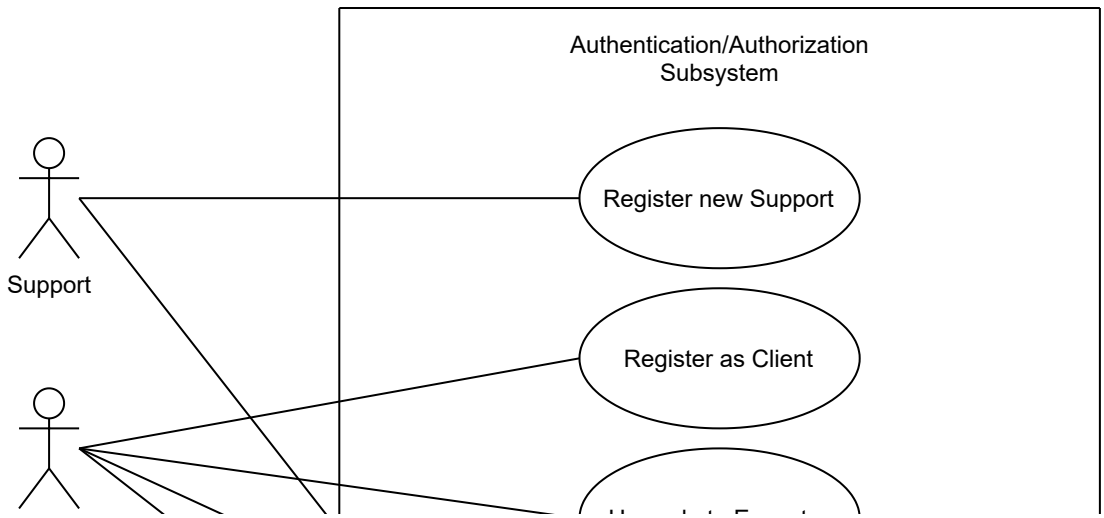
1. The web application should be easy to use, and this will be measured by the number of users who are able to use the web application without any help.
2. The web application should be fast, and this will be measured by the time it takes for a user to search for a task that they are hiring for.
3. The web application should be secure, and this will be measured by the number of security breaches that occur.
4. The web application should be reliable, and this will be measured by the number of times the web application goes down.
5. The web application should be scalable, and this will be measured by the number of users who are able to use the web application at the same time.

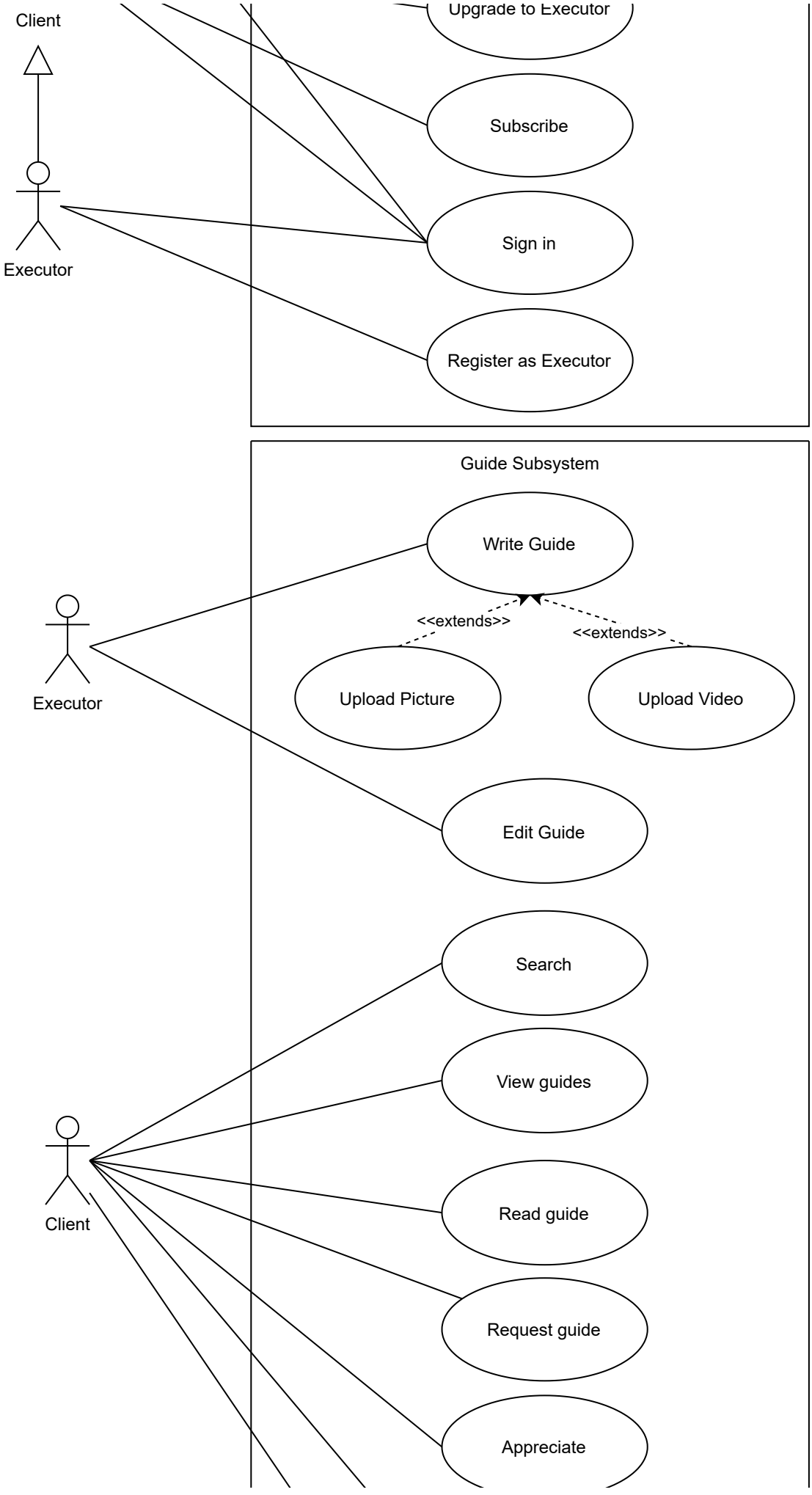
Users

1. Clients: Clients are people who are looking to hire someone to do a task for them. They are the people who are posting the tasks on the web application.
2. Executors: Executors are people who are looking to do a task for someone. They are the people who are applying for the tasks on the web application.
3. Support Team Users: Support team users are people who are working for the company that owns the web application. They are the people who are handling the disputes, and releasing the funds for the tasks that have been completed.

> The following requires updating

Use Cases




Client
Executor
Upgrade to Executor
Subscribe
Sign in
Register as Executor
Guide Subsystem
Write Guide
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Upload Picture
Upload Video
Executor
Edit Guide
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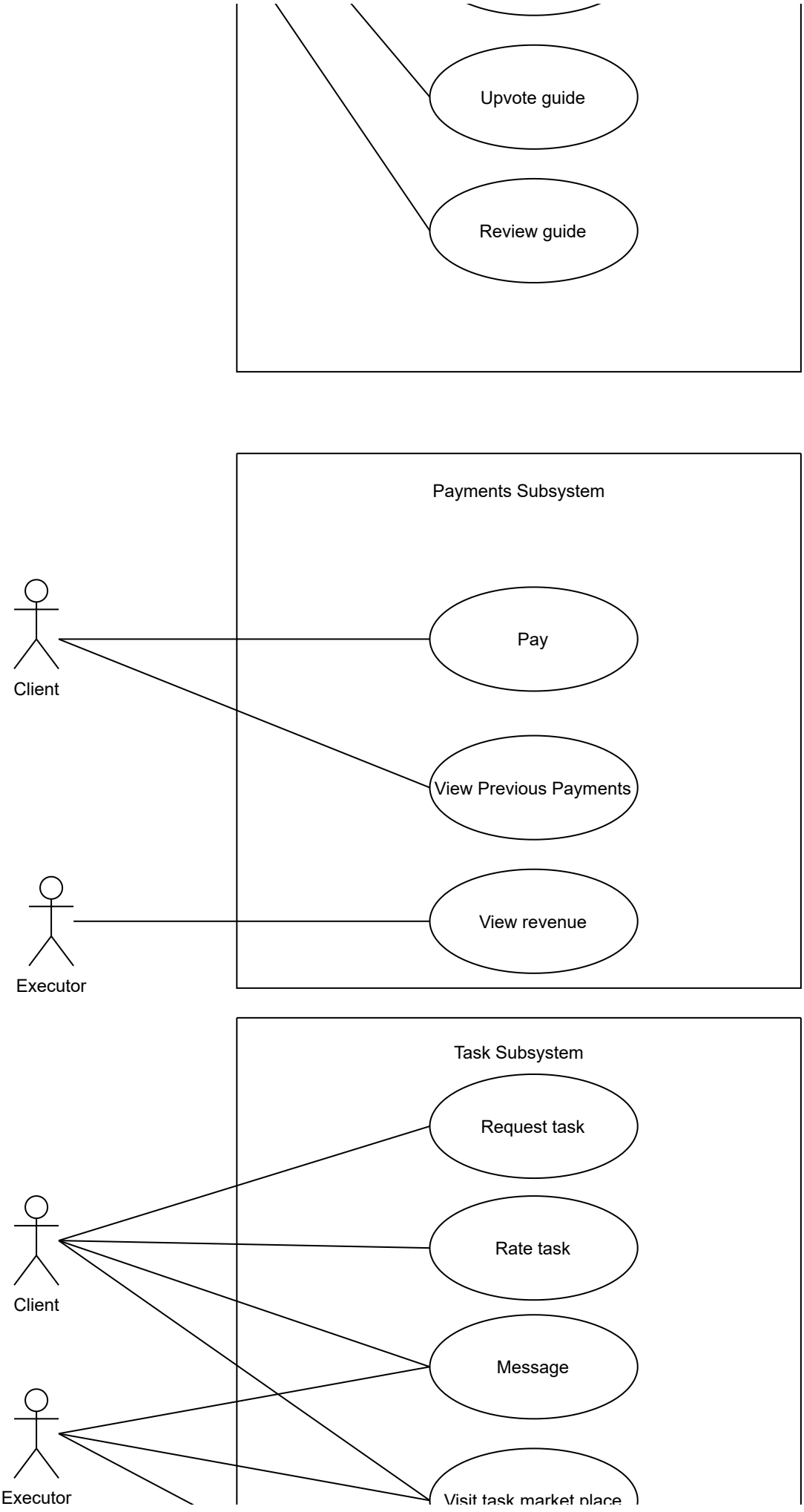
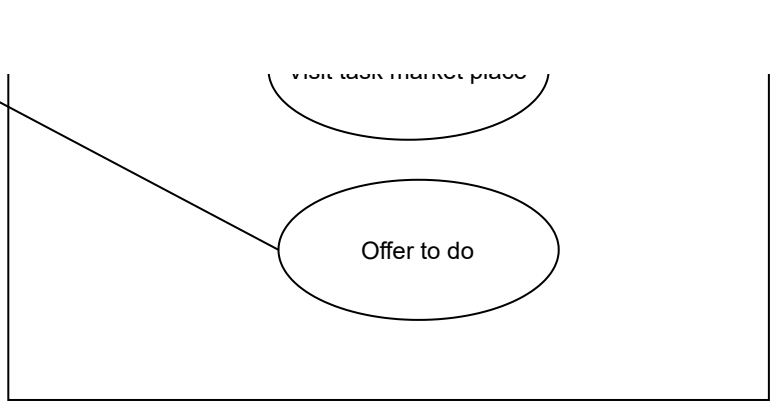
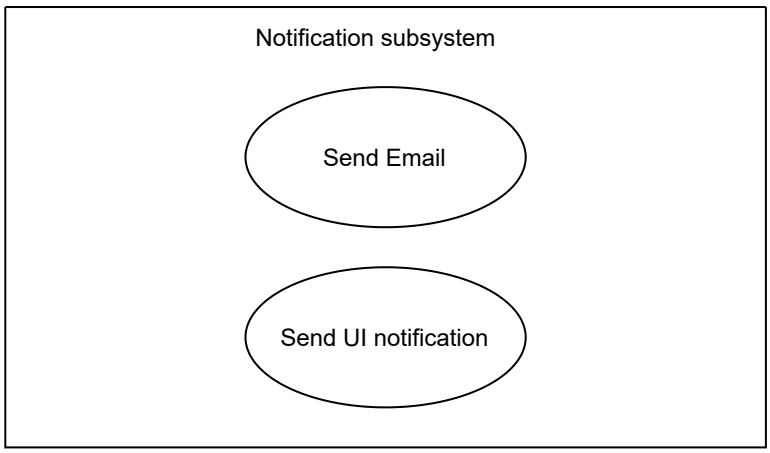
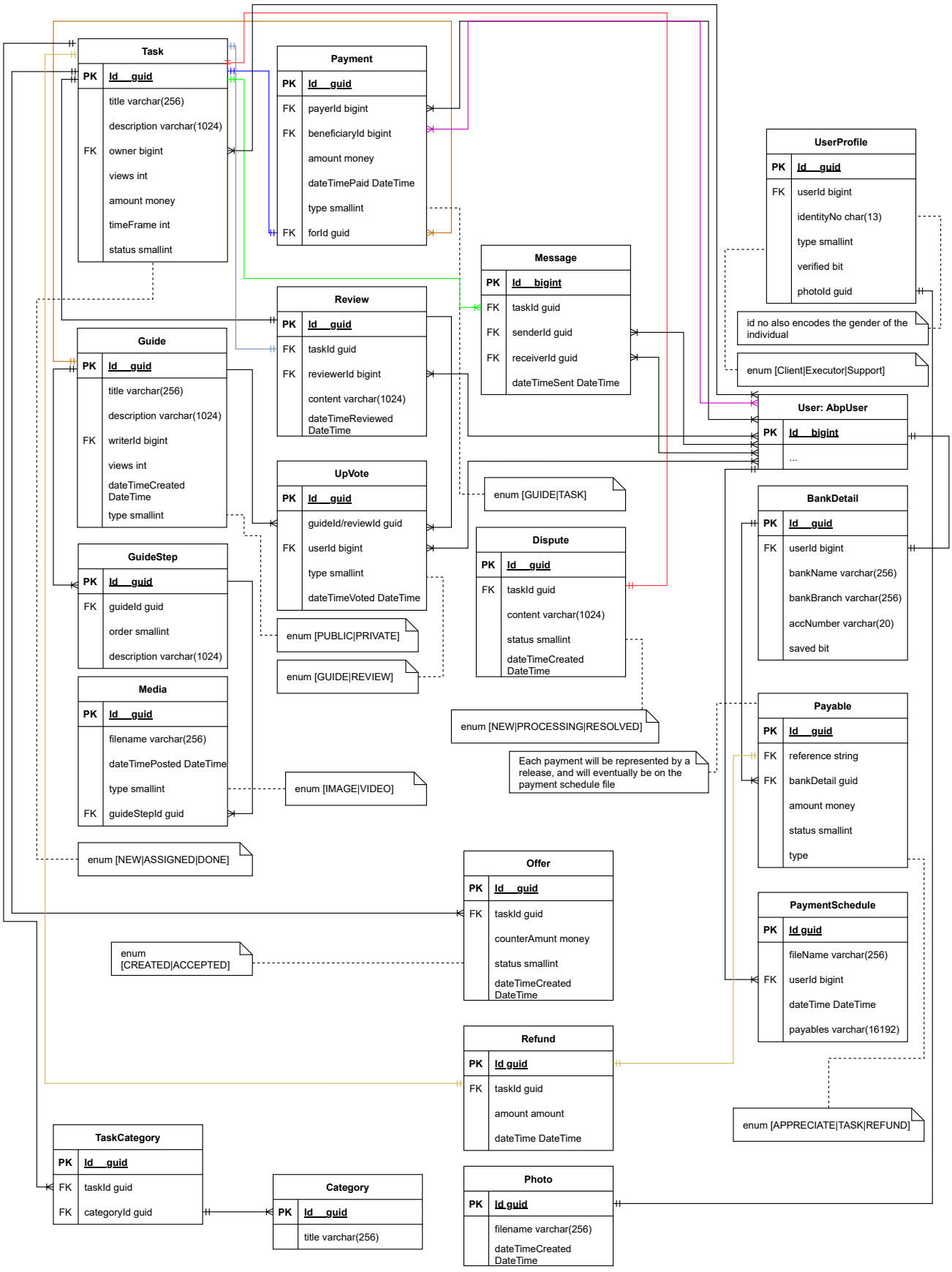
Read guide
Request guide
Appreciate
Client


Upvote guide
Review guide
Payments Subsystem
Client
Pay
View Previous Payments
Executor
View revenue
Task Subsystem
Request task
Client
Rate task
Message
Executor
Visit task market place



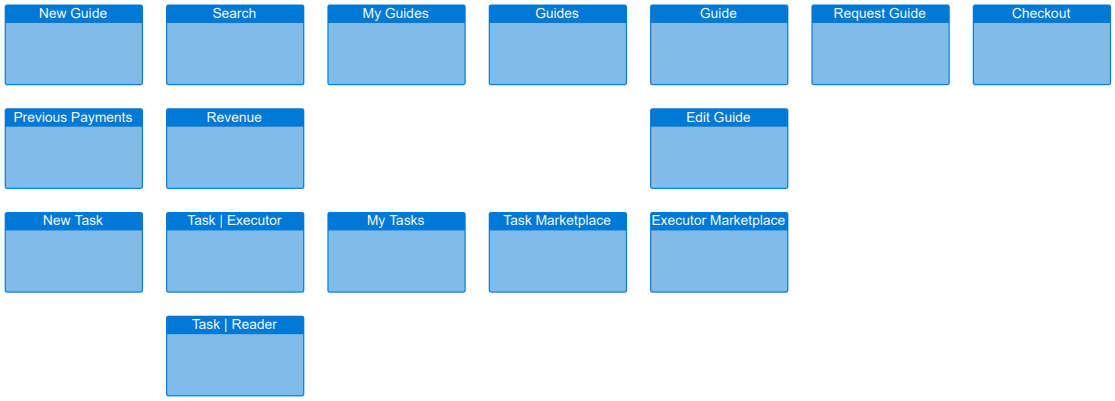


Domain Model

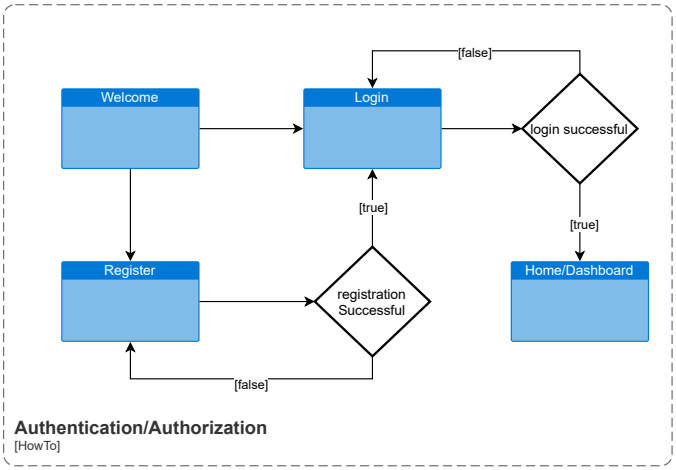


User Flows

PAGES


New Guide
Search
My Guides
Guides
Guide
Request Guide
Checkout
Previous Payments
Revenue
Edit Guide
New Task
Task | Executor
My Tasks
Task Marketplace
Executor Marketplace
Task | Reader

USER FLOWS


Welcome
Login
login successful
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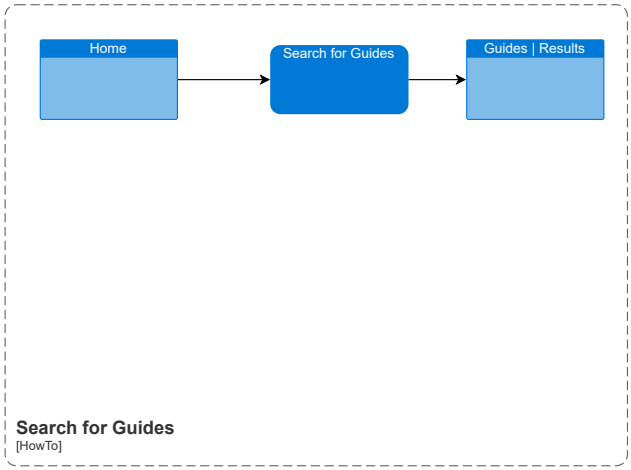
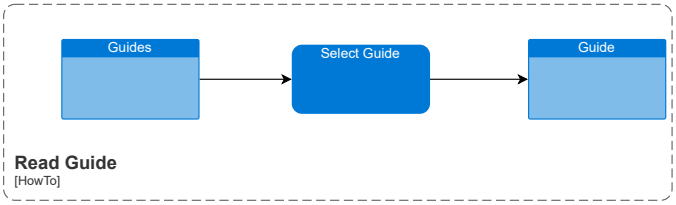
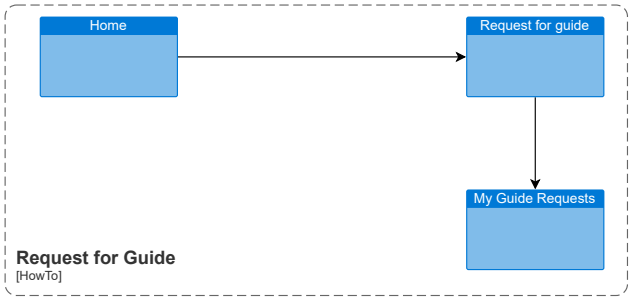
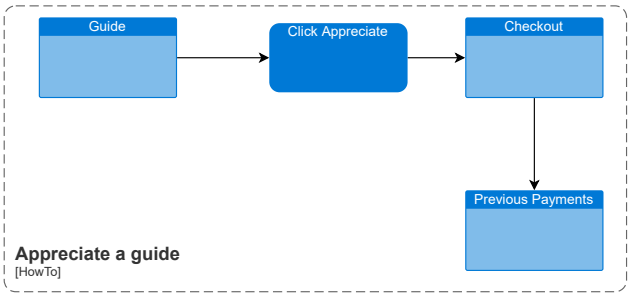
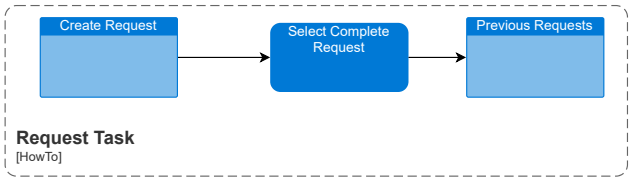
[true]
[true]
Register
registration Successful
Home/Dashboard
[false]
Authentication/Authorization
[HowTo]

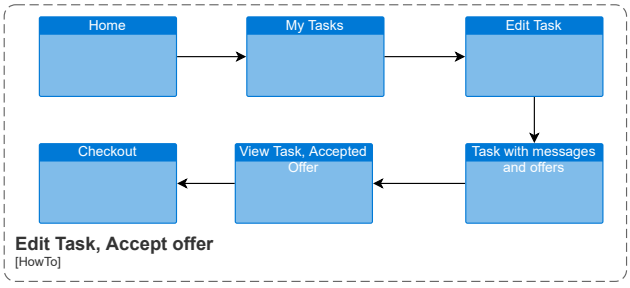

Home
Search for Guides
Guides | Results
Search for Guides
[HowTo]

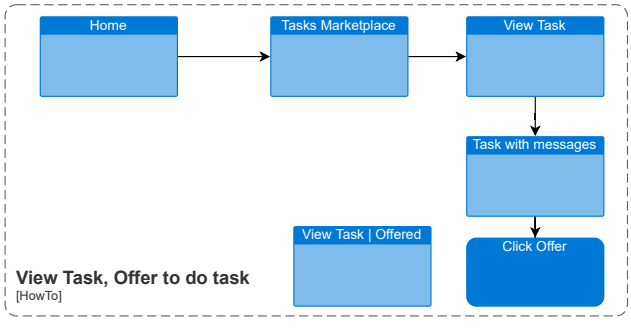

Guides
Select Guide
Guide
Read Guide
[HowTo]

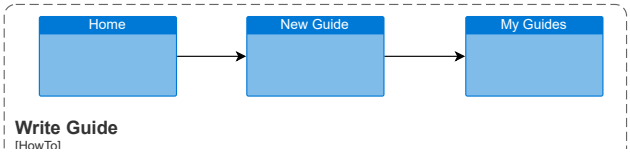

Home
Request for guide
My Guide Requests
Request for Guide
[HowTo]

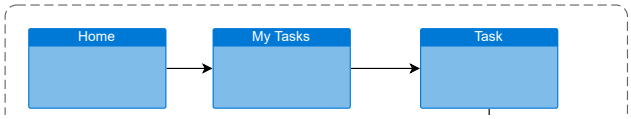

Guide
Click Appreciate
Checkout
Previous Payments
Appreciate a guide
[HowTo]

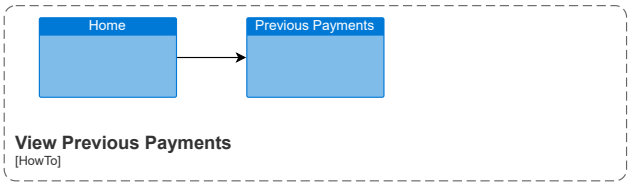

Create Request
Select Complete Request
Previous Requests
Request Task
[HowTo]

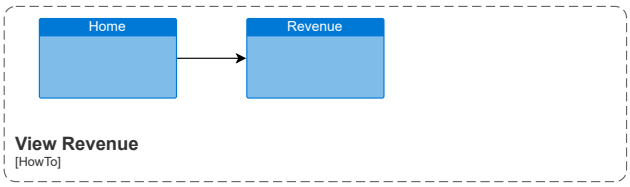

Home
My Tasks
Edit Task
Checkout
View Task, Accepted Offer
Task with messages and offers
Edit Task, Accept offer
[HowTo]

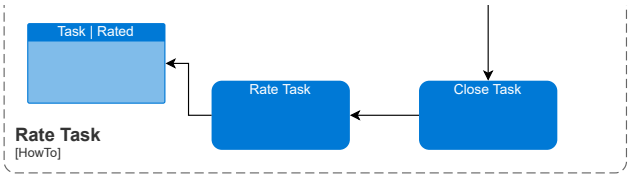

Home
Tasks Marketplace
View Task
Task with messages
View Task | Offered
Click Offer
View Task, Offer to do task
[HowTo]

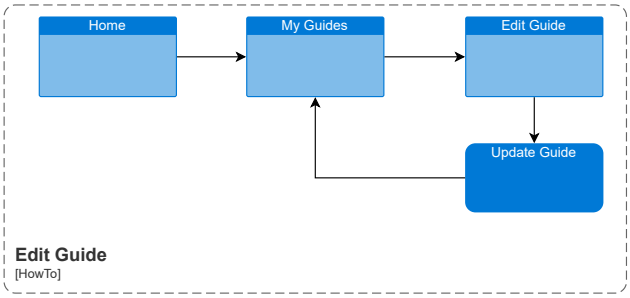

Home
New Guide
My Guides
Write Guide

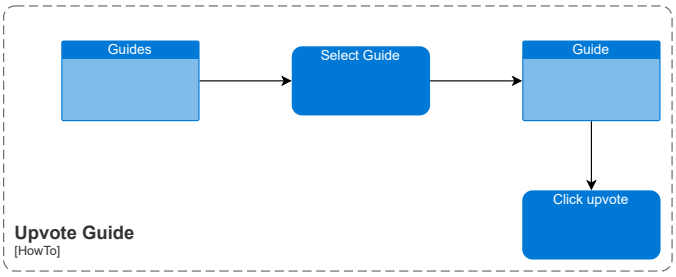

Home
My Tasks
Task

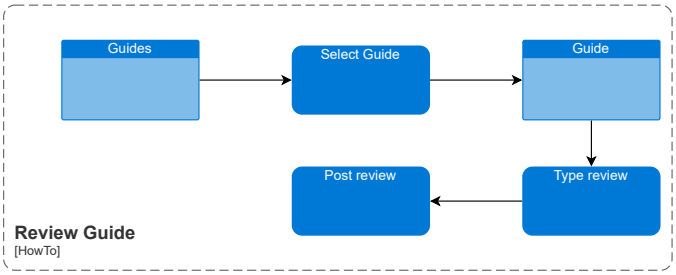












Technology Stack (Tentative, Aspirational)

1. Frontend: Next.js
2. Backend: ABP Framework
3. Database: Microsoft SQL Server
4. Hosting: Azure App Service (Backend) + Vercel (Frontend)
5. Payment Gateway: Payfast & Paystack
6. Video Hosting: Azure Blob Storage
7. Image Hosting: Azure Blob Storage
8. Search: Azure Cognitive Search ??
9. Email: Azure Communication Services
10. Authentication: Azure Active Directory ??
11. Version Control: GitHub

Ambitious UI Goals

1. Interactive product demo
    1. Similar to Sonarqube's