

🔍 Redefining Accessibility

Hyre

DBMS Project - 4 th Semester

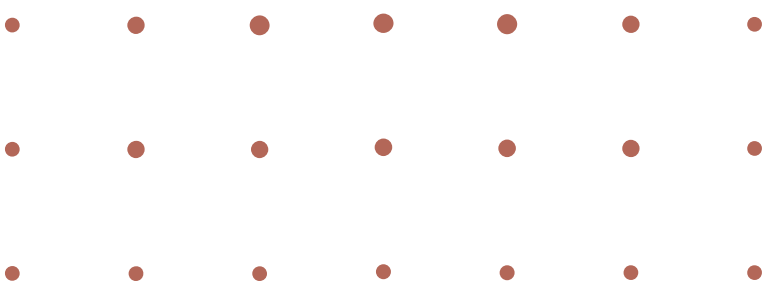


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Contents



Page
number

3	Problem Statement	14	View profile and book request
4	Our Solution	15	Client booking management and comment
5	What's it about	16	View profile and edit
7	ER diagram	17	Worker booking management
9	Database description	18	Report user
11	Dataset	19	Tech Stack
12	List of modules	20	Result
13	Search and filter workers		

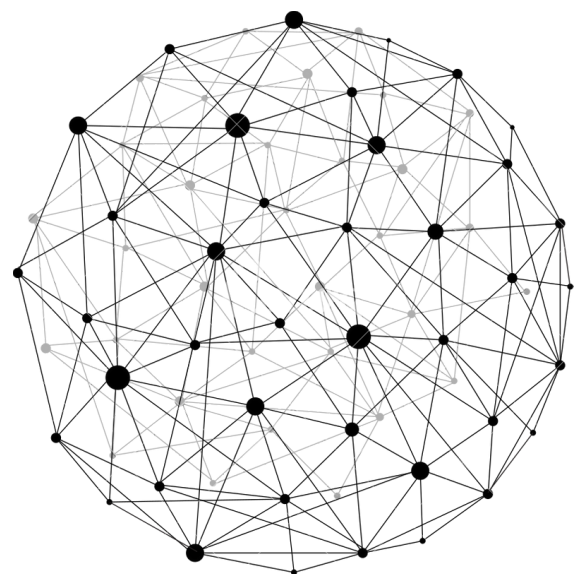


Problem Statement

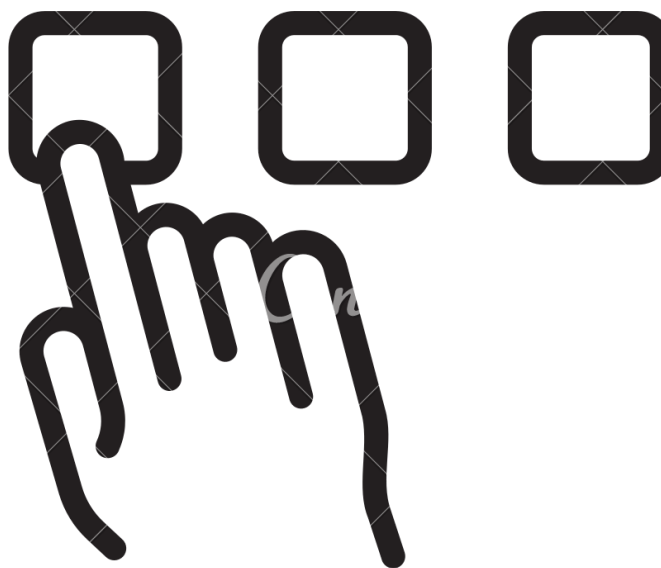
No effective means of communication between the unorganised worker and the customer.

Our Solution

A virtual platform to:



Connect



Choose



Rate

What's it about?

Workers can:

- Upload profiles
- Accept bookings
- Manage jobs
- Report customers

FUTURE PLANS

- Conversion to regional languages.
- Extra verification of users.

What's it about?

Clients can:

- View and filter profiles
- Make bookings
- Manage bookings
- Comment on workers
- Report a worker

FUTURE PLANS

- Application of NLP algorithms to enhance filtering process based on comments.

ER Diagram

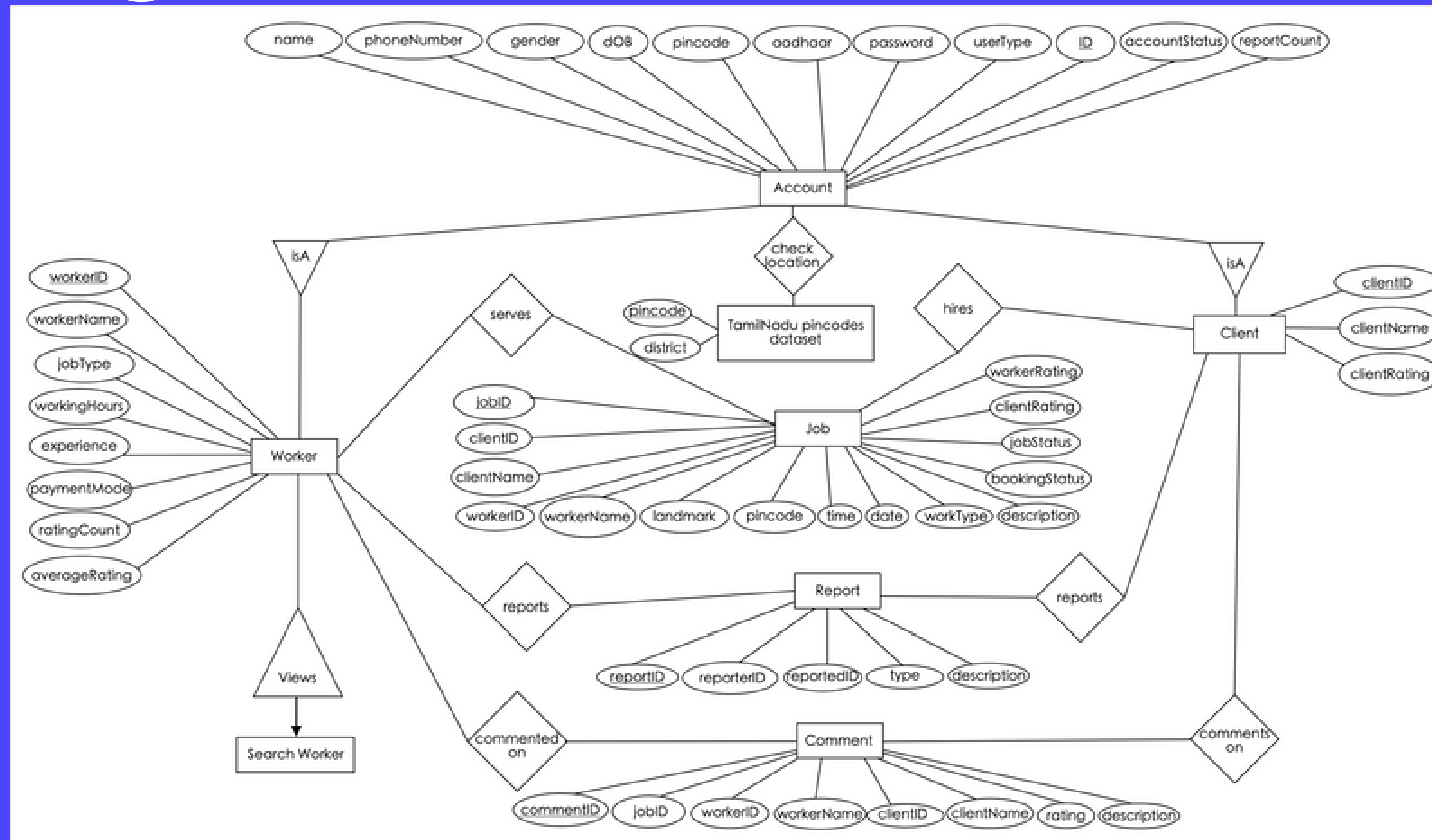


Fig. 1

State Diagram

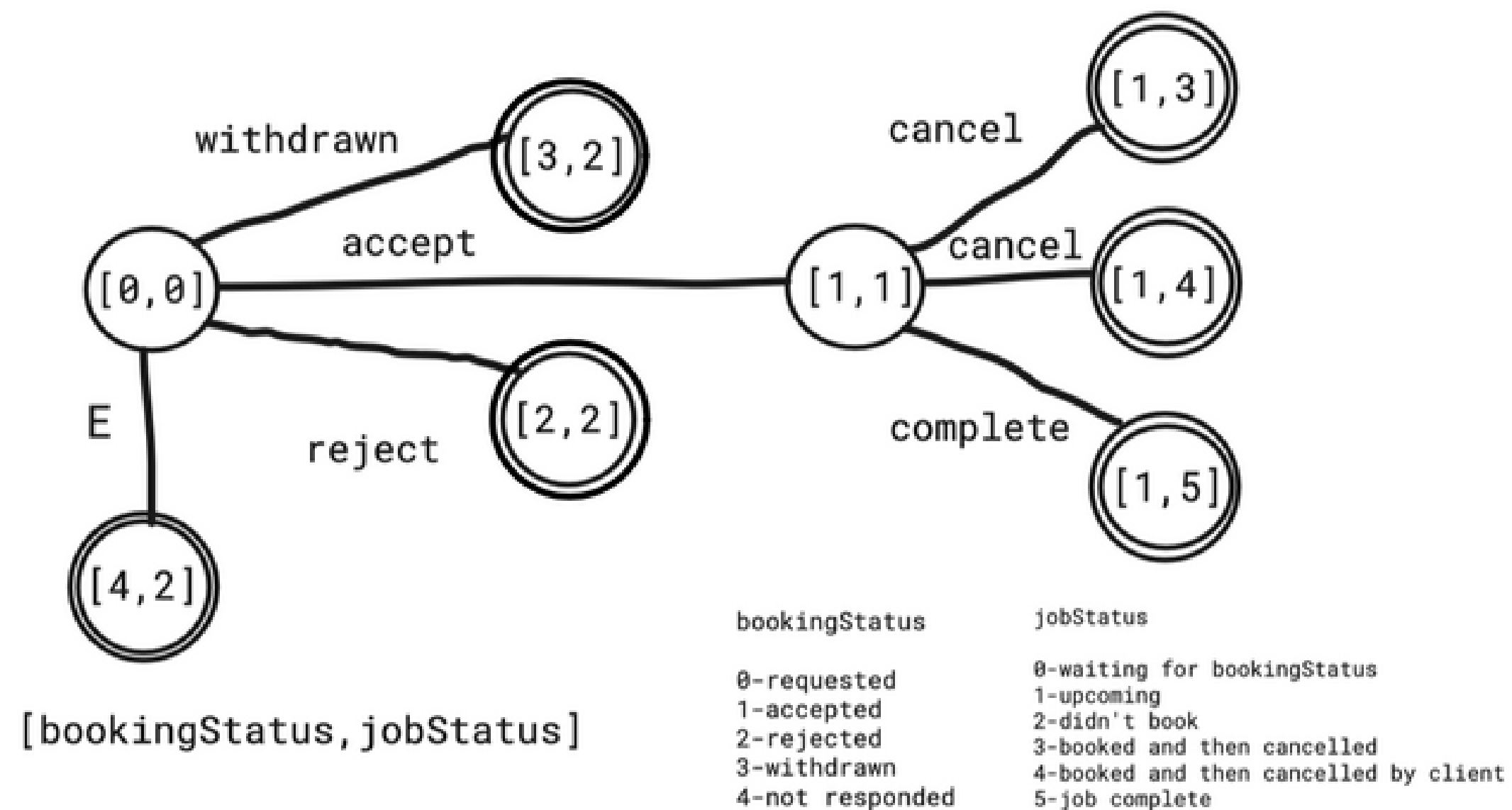
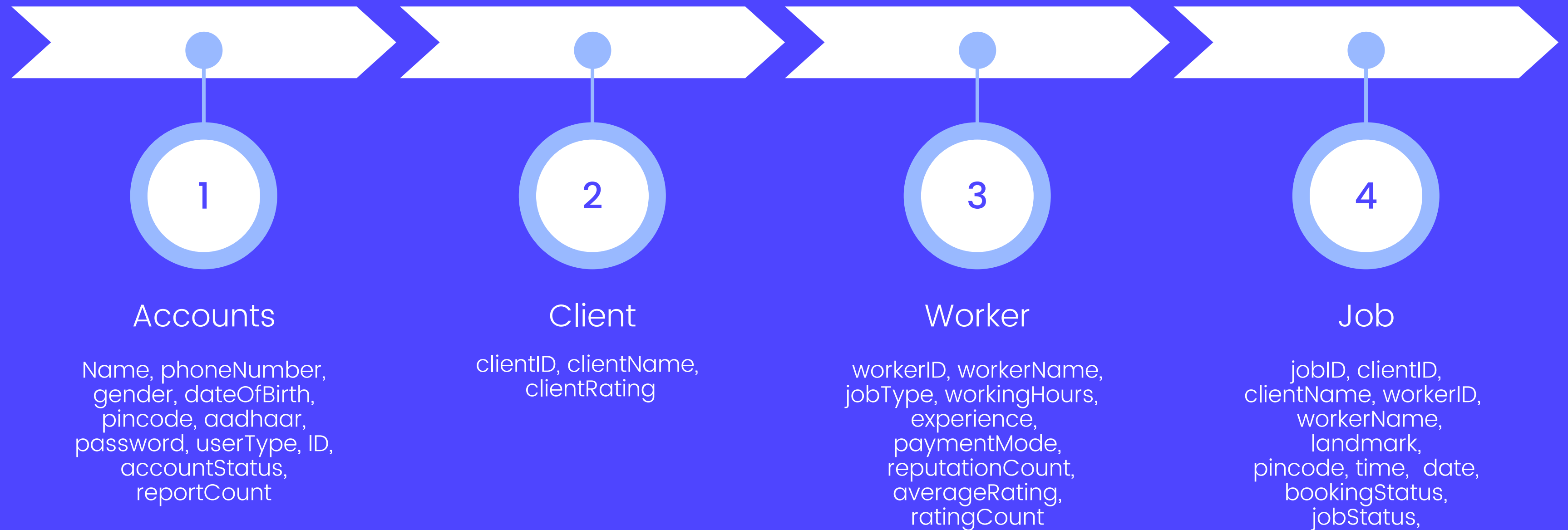


Fig.2

Database Description



Database Description



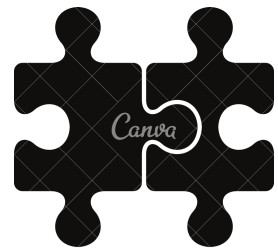
Dataset

- We have included a dataset of all pincodes in Tamilnadu to check if the pincode entered by the worker or client is a valid one.
- Link to the dataset:

<https://www.kaggle.com/datasets/devsb13/pincode-sindia>

600004	CHENNAI
600005	CHENNAI
600006	CHENNAI
600007	CHENNAI
600008	CHENNAI
600009	CHENNAI
600010	CHENNAI
600011	CHENNAI
600012	CHENNAI
600013	CHENNAI
600014	CHENNAI
600015	CHENNAI
600016	KANCHIPURAM
600017	CHENNAI
600018	CHENNAI
600019	TIRUVALLUR
600020	CHENNAI

Table 1



Modules



Client Side

- 1 Search and filter workers
- 2 View Profile and Book worker
- 3 Client booking management and comment

Worker Side

- 4 View Profile and Edit
- 5 Worker booking management

6 Report Page

Search and filter workers

- Filter available workers to hire the person you feel would be right. (Fig. 3)



Search Worker

Pincode

Eg: 600025

Type of job

Select an Option

Gender

Select an Option

Search

Workers In 600041

Worker one

Gender: M

Job Type: maid

Average Rating: 0

Experience: 4

View Worker

Fig.3

View profile and book request

- On selecting a worker from the list, his/her profile can be viewed. (Fig. 4)
- Client can book a request to the worker by adding the required details. (Fig. 5)



Worker Profile

Name : Worker one
workerID : 54d5bf569ab0e96d43c8c71cd8babe18
Job Type : maid
Phone Number : 9612678895
Gender : M
Working Hours : 9am to 6pm
Payment Mode : Cash
Average Rating : 0 (0)
Experience : 4
Pincode : 600041

Book
Request

Fig.4

Fig.5

Book a Request

Worker Name

Worker one

Worker ID

54d5bf569ab0e96d43c8c71cd8babe18

Job Type

maid

Pincode

600041

Date of Job

30/06/2022



Client booking management and comment

- Manage your accepted requests (Fig.6) , upcoming jobs (Fig. 8) and write comments on your experience.
- Rate workers and refer them to friends to improve their reputation.



Job Requests

Date: 2022-06-30
Worker Name: Worker one
Worker ID: 54d5bf569ab0e96d43c8c71cd8babe18
Description: Sweeping and Mopping

[View Request](#)

Fig.6

Date

2022-06-30

Work description

Sweeping and Mopping

[Accept](#)

Fig.7

Upcoming Jobs

Date : 2022-06-30
Client Name : Client one
Client ID: 62354bb16bd8ecfce7ced4307f04d5fc
Description: Sweeping and Mopping

[View Job](#)

Fig.8

View profile and edit

- Workers can view their profile (Fig. 10) and make changes to their mode of payment (Fig. 9) or job description if they please.



Edit Profile

Change the necessary fields

Change Pincode : [Here](#)

Working Hours

9am to 6pm

Experience(in years)

4

Job Category

Carpenter

Payment Mode

Cash

New Captcha

4mRNgy

4mRNgy

Fig.9

Fig.10

Worker Profile

Name : Worker one
workerID : 54d5bf569ab0e96d43c8c71cd8babe18
Job Type : maid
Phone Number : 9612678895
Gender : M
Working Hours : 9am to 6pm
Payment Mode : Cash
Average Rating : 0 (0)
Experience : 4
Pincode : 600041

Edit

Worker booking management

- Workers can view requests (Fig. 12), view upcoming jobs (Fig. 11), cancel them (Fig. 13) and view their job history.



Upcoming Jobs

Date : 2022-06-30
Client Name : Client one
Client ID: 62354bb16bd8ecfce7ced4307f04d5fc
Description: Sweeping and Mopping

View Job

Fig.11

Job Requests

Date: 2022-06-23
Client Name: Client two
Client ID: 6888f7f14a21a8da3ace272b90528b94
Description: Washing vessels

View Request

Fig.12

Time

4pm-6pm

Date

2022-06-30

Work description

Sweeping and Mopping

Cancel Job

Fig.13

Report user

- Any user can report another user. (Fig. 14)
- On receiving 6 reports a user's account is blocked.



Report User

User ID to report

Reporting reason

Punctuality Issue ▾

Description of Report

Frequently late to work

New Captcha

FceBXN

FceBXN

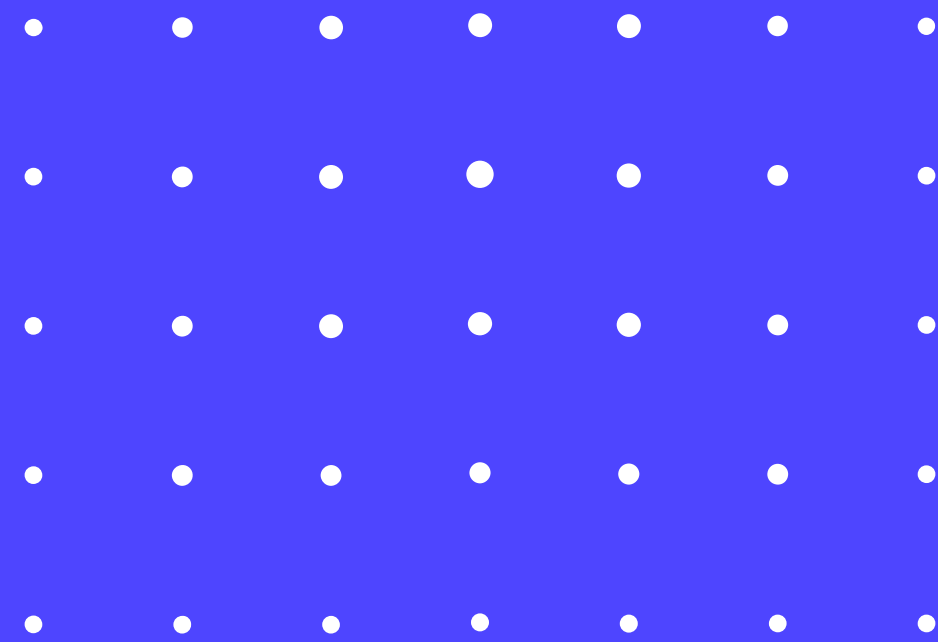
Report User

Fig.14



Tech Stack

Front-End: HTML, Javascript, Bootstrap, JQuery
Back-End: PHP, mySQL



RESULT

Thus we have created an app Hyre, which will be an effective means of communication between clients and workers, reforming the system to increase accessibility and decrease dependence on unreliable methods of creating connections. We have implemented all DBMS concepts in this project to obtain the final deliverable.

Thank you!

