



Project Motivation



- Outsourcing specialized tasks to professional contractors
- Build a functional **To do List App** to keep track of tasks
- To provide local contractors with employment opportunities



Cost Analysis



Development Costs:

- Labor Cost: \$53760
- [8 hours * 7 people * 60 dollar per person * 16 weeks]
- Ul Design: \$20 (figma)
- Testing: \$15 (django)

Monthly Operation Costs:

- Backend Hosting: \$1000
- Frontend Hosting: \$500
- API Integration: \$500
- Azure Cloud Storage: \$1800[1 gig per person]



S/W Components



• Python:

 We coded the back end in Python using the **Django REST** framework

• React.js:

Was used for the front end and to connect the back end

• JavaScript:

Used to call the API's and manage frontend logic

• Figma:

Used to design the user interface

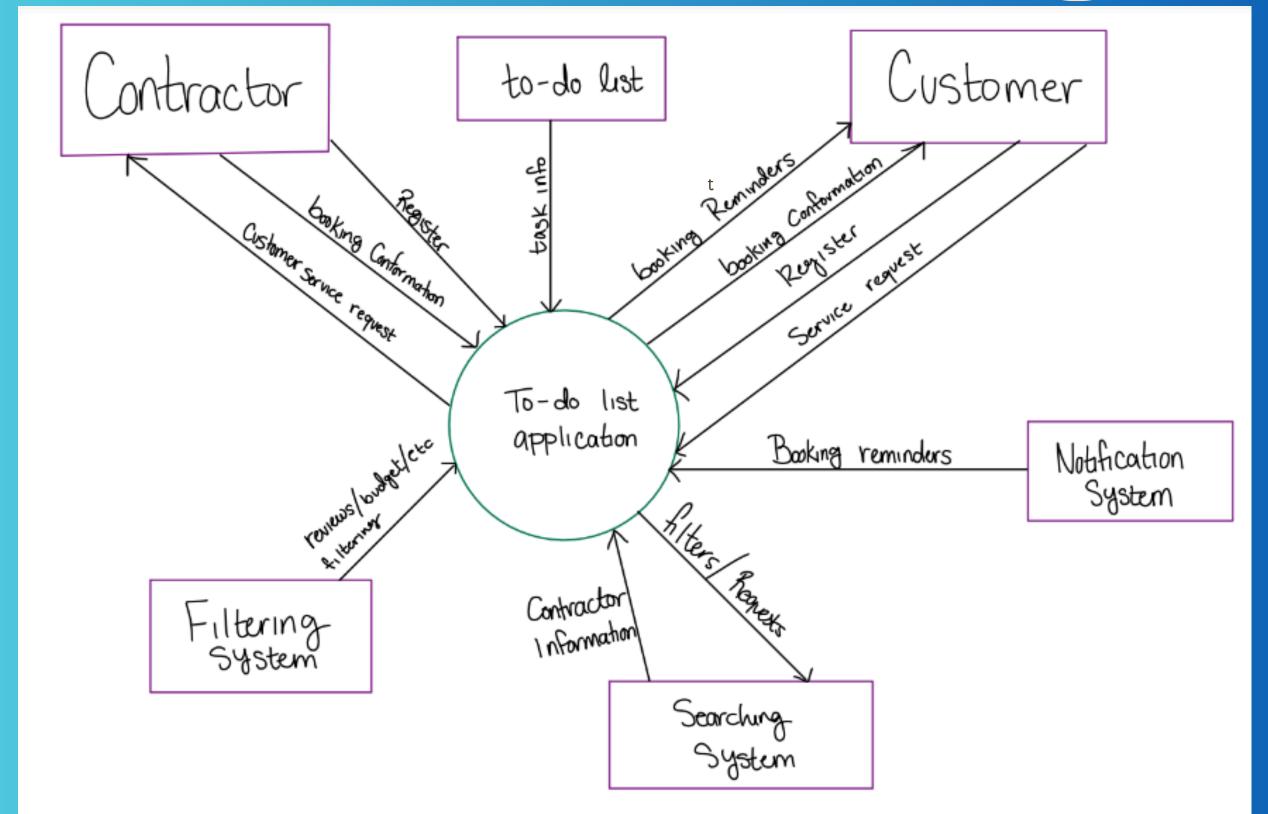
• Postman:

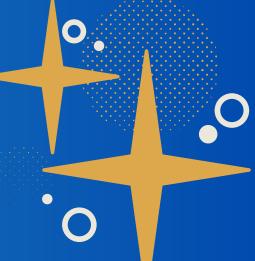
Used for testing the application functionalities



Context Diagram



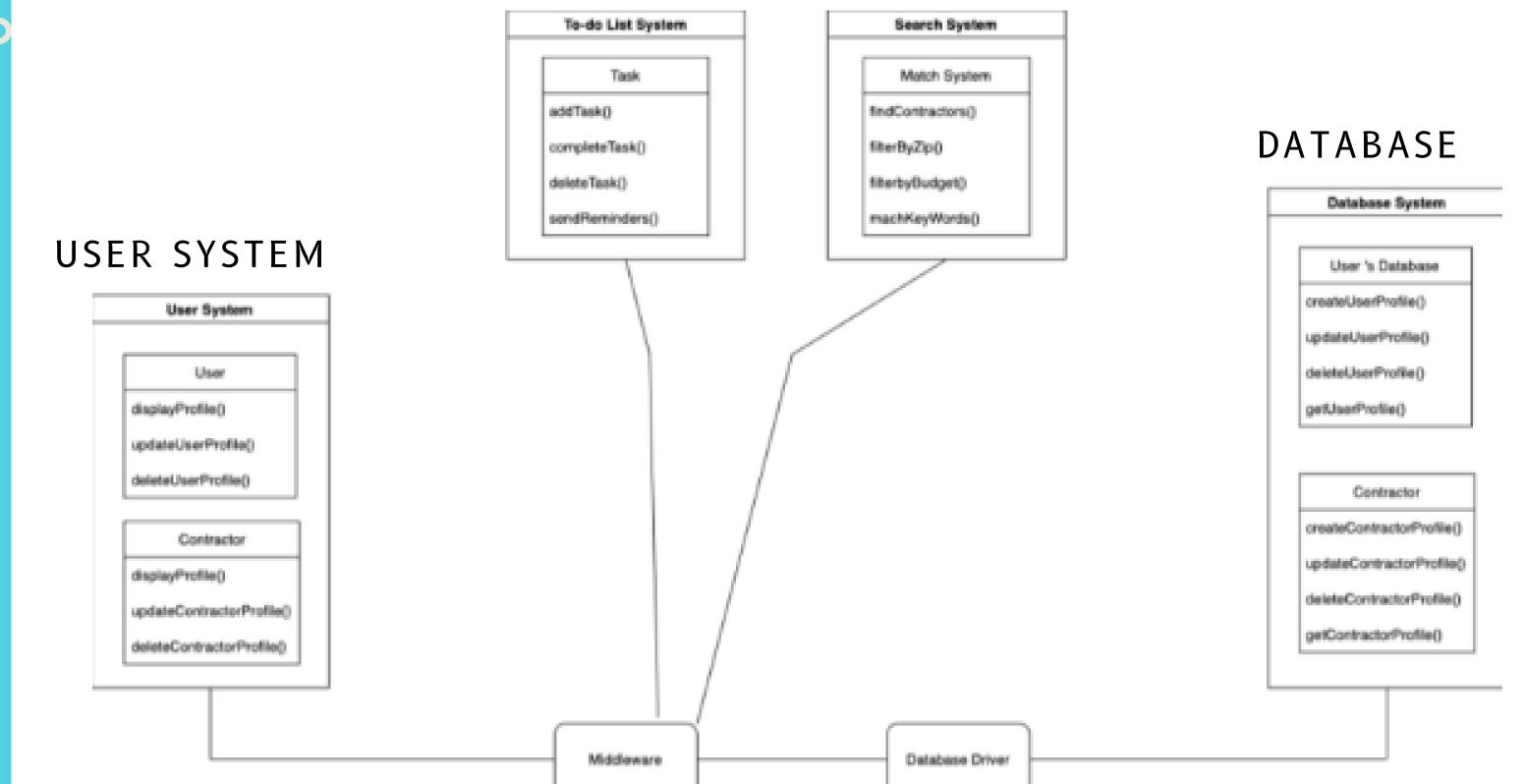






System Architecture (Logical View)





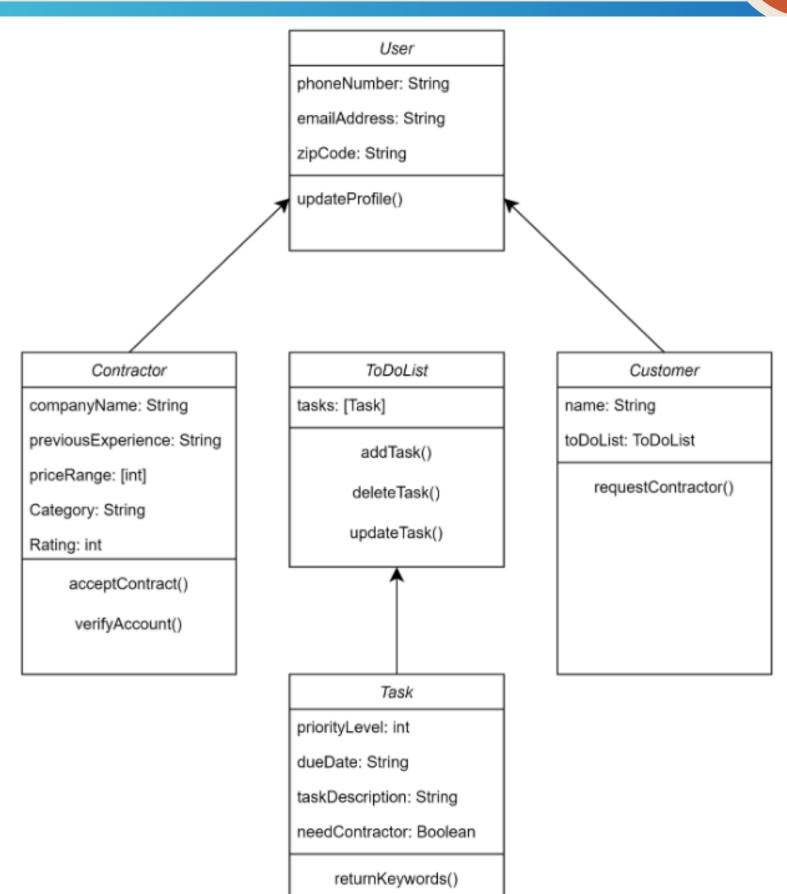


UML Classes & Associations

Architecture







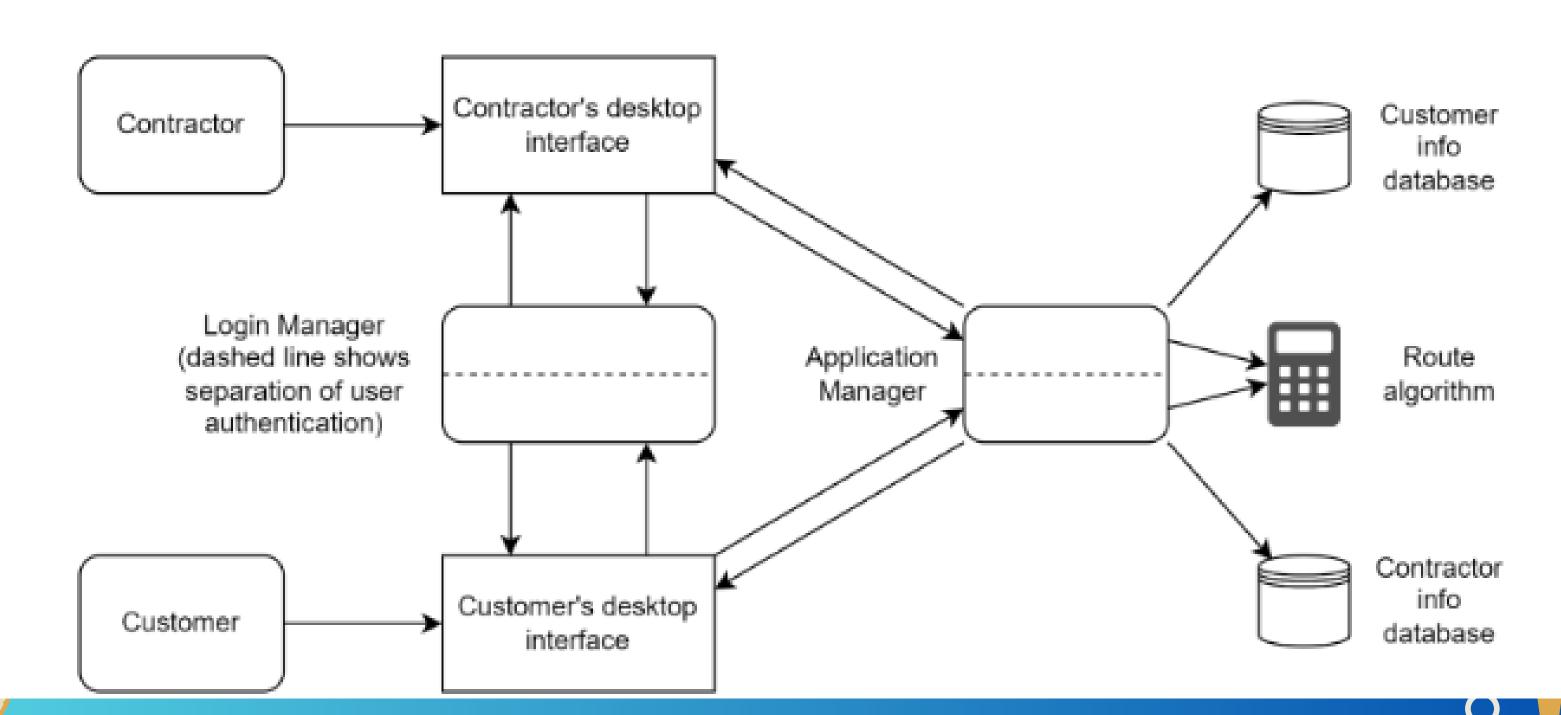


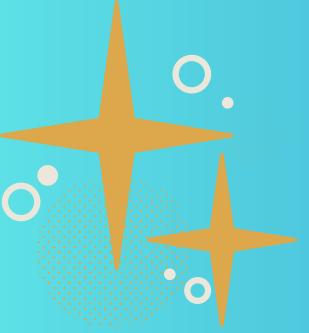
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Architecture



System
Architecture
(Physical
View)







Architecture



Website: TaskMoten

Configuration Services

Application

Identity

Management

Management

Application Services

Stav reviews

create | delete tasks

accept | decline tasks update profile intormation

send messeges
uplead resume
motch client &
contractor

scarch bay

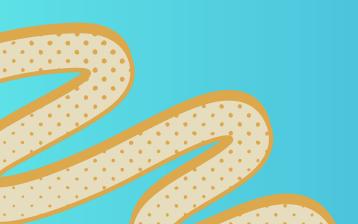
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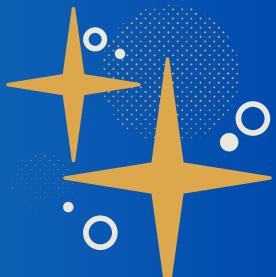
Client database

Customer database Reviews database **Authentication**

Logging & Monitoring

Message database

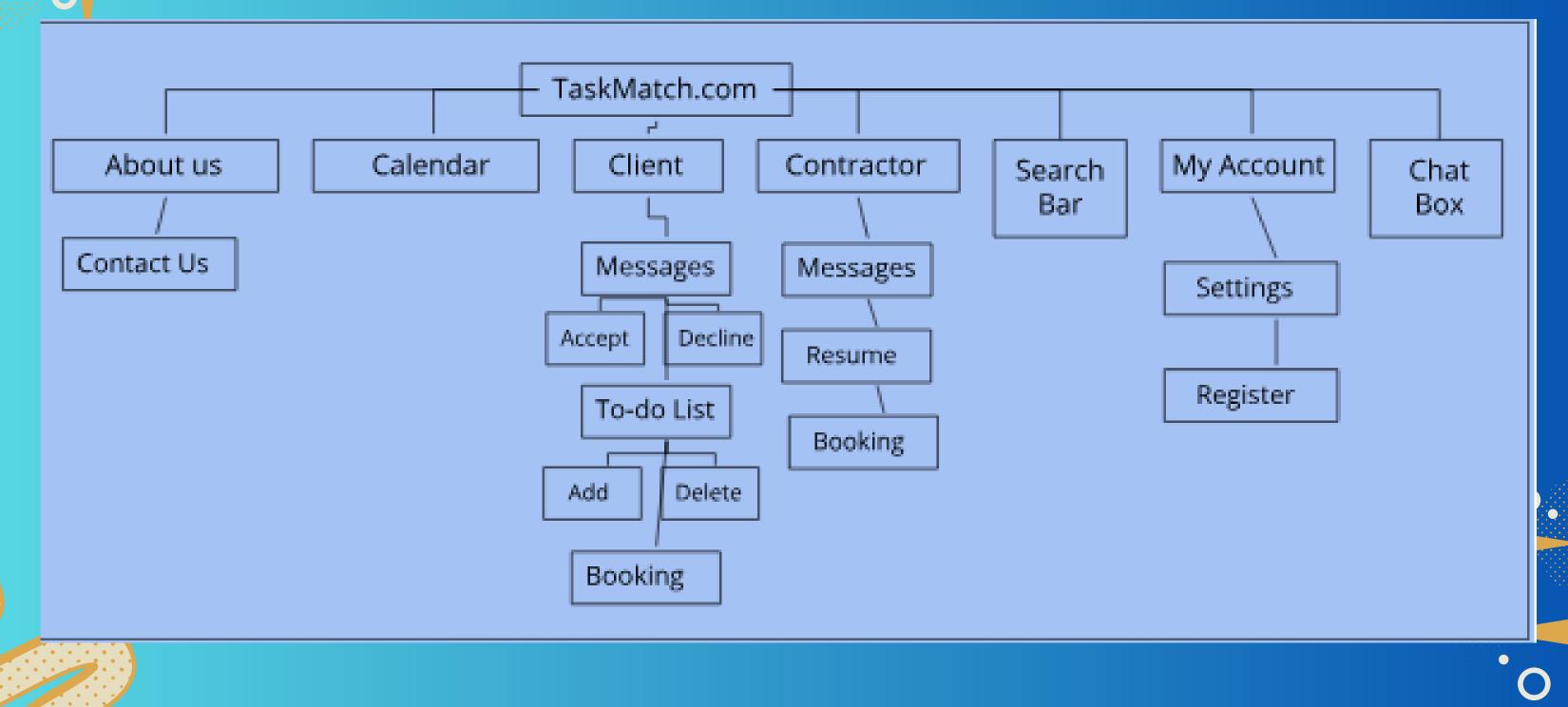






Architecture







URL for Project and Video





VIDEO

Link to the github: https://github.com/AnishG-git/TaskMatch.git

Link to API documentation:

https://docs.google.com/document/d/1zbgNH57ql_V_3nf_F7vgHqkWppIK 6tNKxR0UsZjB8Nw/edit?usp=sharing Link to the demo video:

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