

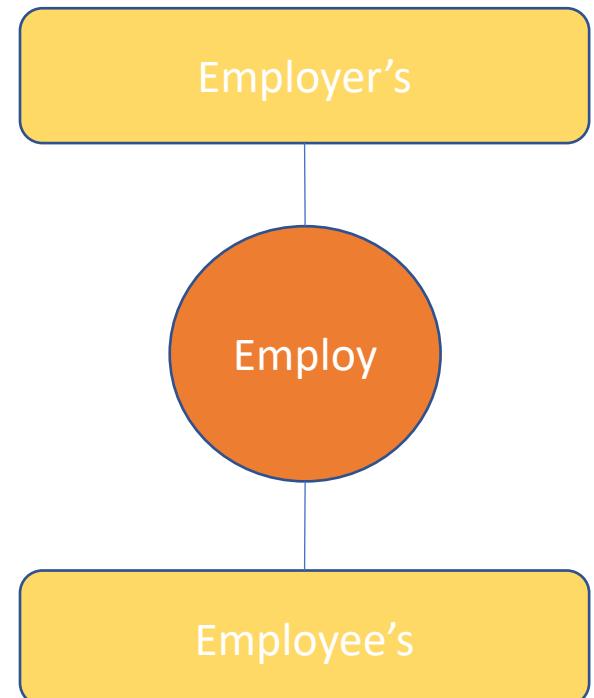
Employ

A Job Employment Application
for IOS

By
Harrishan Sureshkumar

What is Employ?

- Employ is a job employment mobile application which is directed at 2 groups of users.
- 1) The first group of users are the **Employer's** of the app. (An Employer is anyone who uses the app to find employees to do one off jobs for them).
- 2) The second group of user's are the **Employee's** of the app. (An Employee is someone who would like to find jobs via the app).
- Employ aims to connect these 2 types of user's



Main Features

Search Engine

Involves weak AI component using keyword analysis/Search by Name

Closest First Implementation using Google Distance Matrix API

Contact Request System

Similar to Facebook's friend request system

View Contact Feature

Allows user to view contact information with a map of how far the contact is from the user with suggested time for suggested methods of transport using Google API

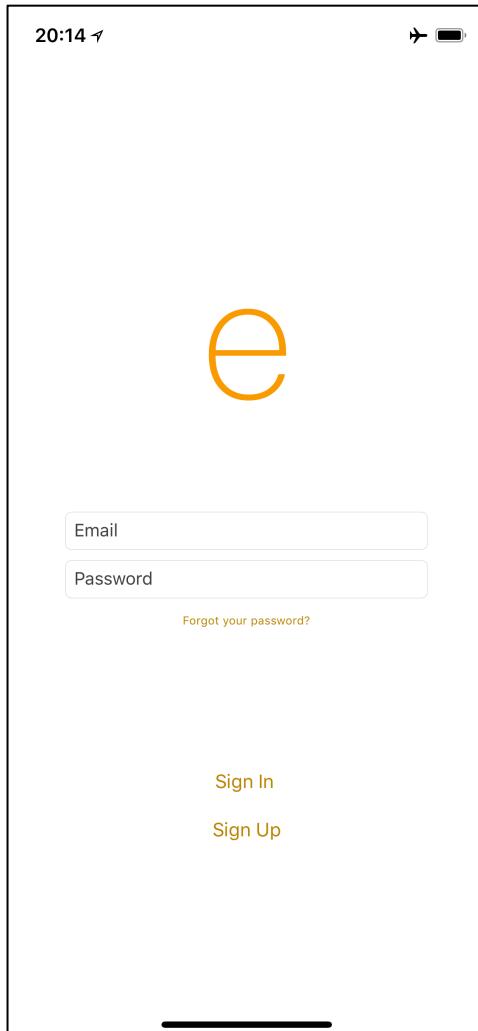
5 Stage Job Request System

Pending -> Accepted -> Paid (with PayPal) -> Completed -> History

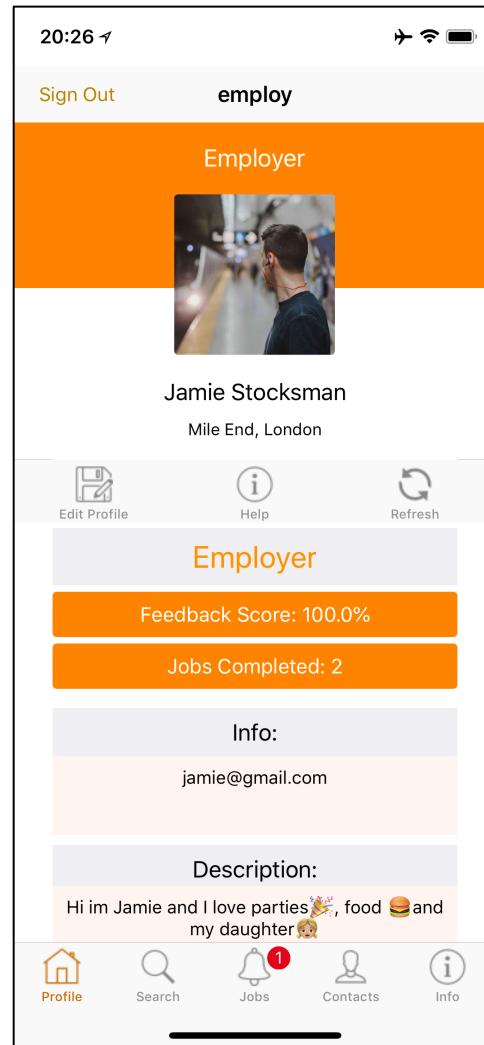
Other Features: **1)**Profile: view/edit user info **2)**Feedback Score Function **3)**Forgot my password system (Sends user's email a password reset link) **4)** Information Guide: A guide on how to use the application **5)** Help option on all pages for guidance

What the app looks like:

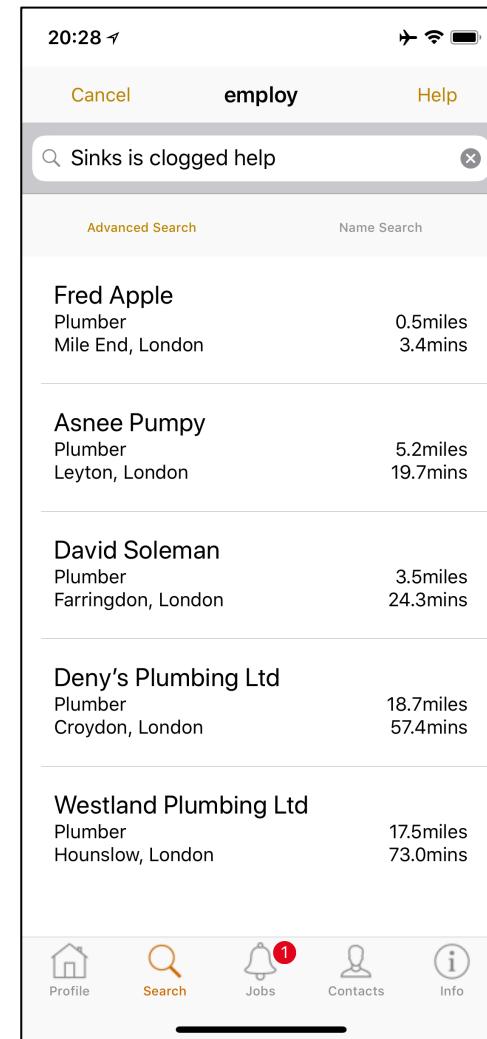
Log In Page



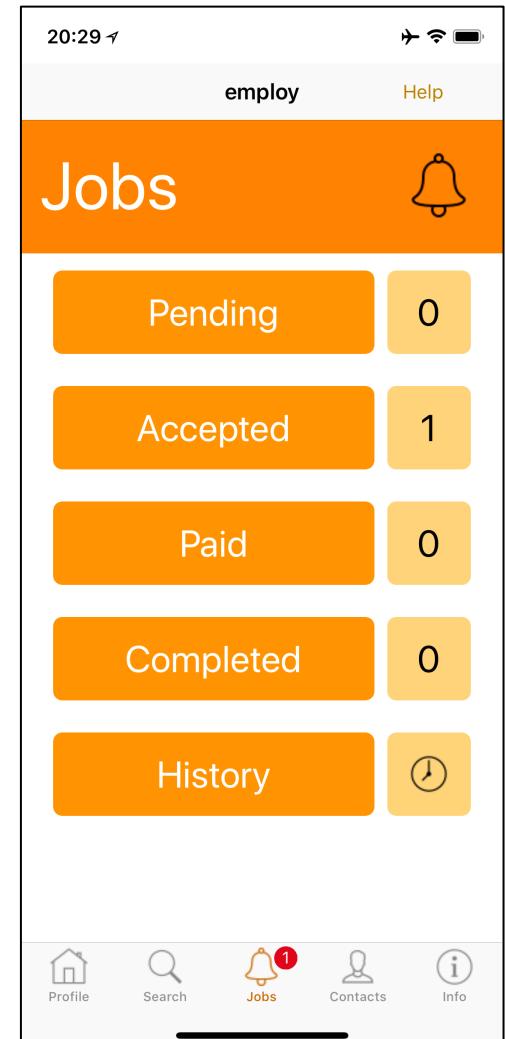
Profile



Search



Jobs



What the app looks like:

Contacts

The screenshot shows the 'Contacts' page of the Employ app. At the top, there's a header with the time '20:29', signal strength, battery level, and the word 'employ'. Below the header, the title 'Contacts' is displayed next to a user icon. A 'Requests' section shows '0' notifications. Below this, three contacts are listed: 'Claire Redstone' (Tutor), 'Kara's Flowers Ltd' (Florist), and 'Priya's Catering Ltd' (Caterer). At the bottom is a navigation bar with icons for Profile, Search, Jobs, Contacts (highlighted in orange), and Info.

Information Guide

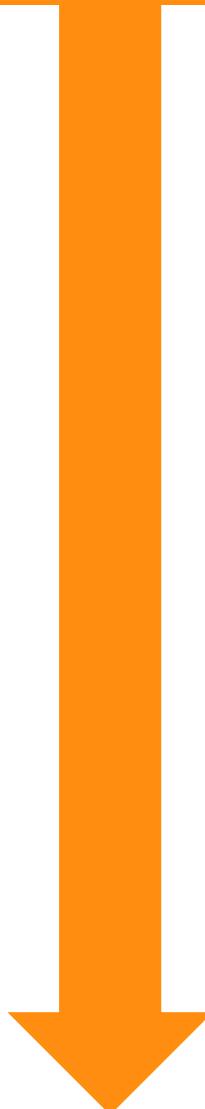
The screenshot shows the 'Information Guide' page of the Employ app. The title 'How to use Employ?' is at the top. Below it, a note states: 'Employ consists of 4 of the following main pages. Click on the buttons below to see how to use each page.' Four large orange buttons are provided: 'Profile', 'Search', 'Jobs', and 'Contacts'. At the bottom is a navigation bar with icons for Profile, Search, Jobs, Contacts (highlighted in orange), and Info.

Employer use case

vs

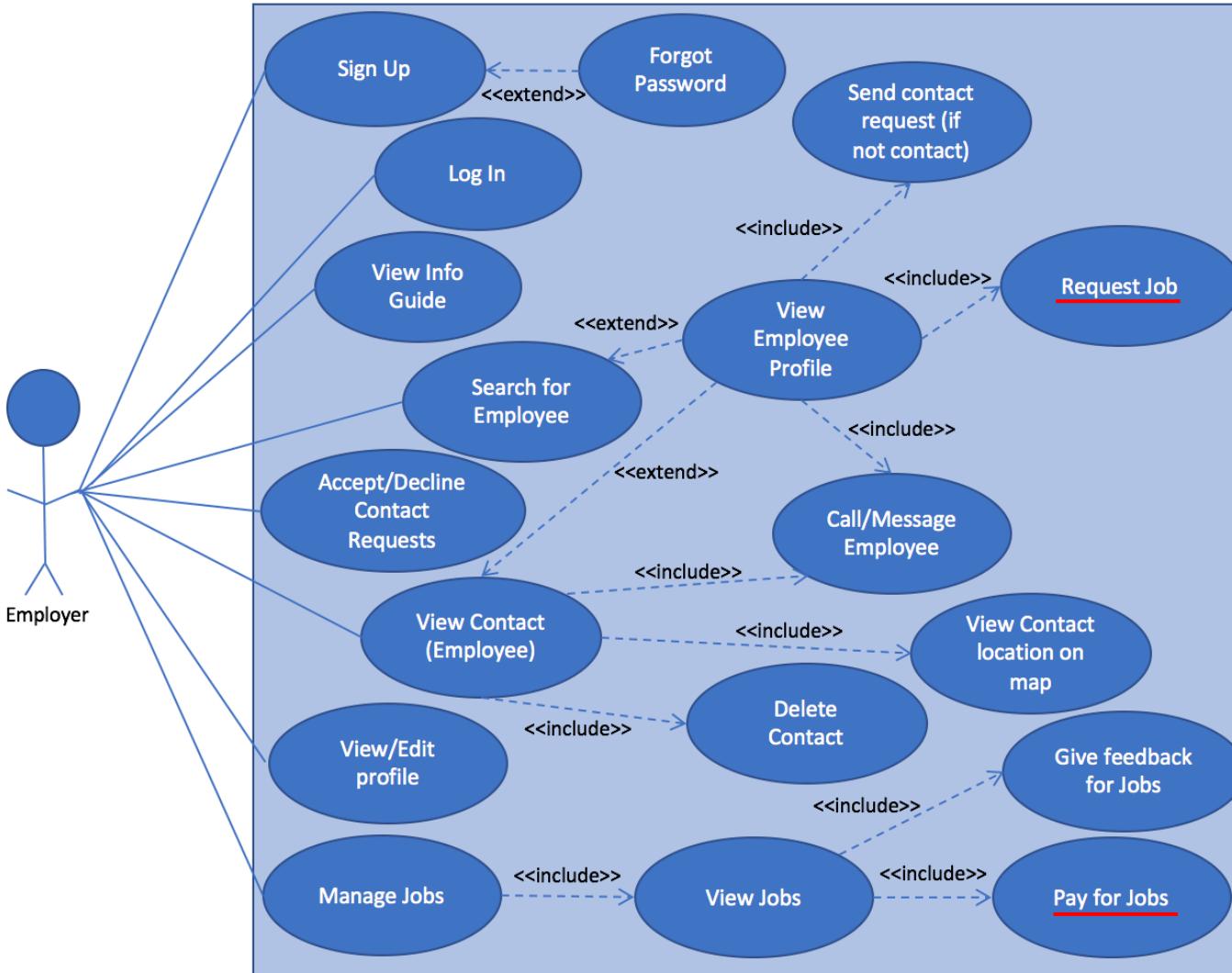
Employee use case

- 1) Sign Up + Log In
- 2) Go to search engine
 - 2.1) Name Search (E.g: Kingston Dentals)
 - 2.2) Advanced Search
 - 2.2.1) Search By Category (E.g: "Cleaner", "Mechanic", "Gardener"...etc)
 - 2.2.2) Search By Problem (E.g: "I need to buy mum flowers" -> Florist)
- 3) Call or Message Employee from app and possibly add them as a contact
- 4) Send a job request -> Pay -> Give feedback for job

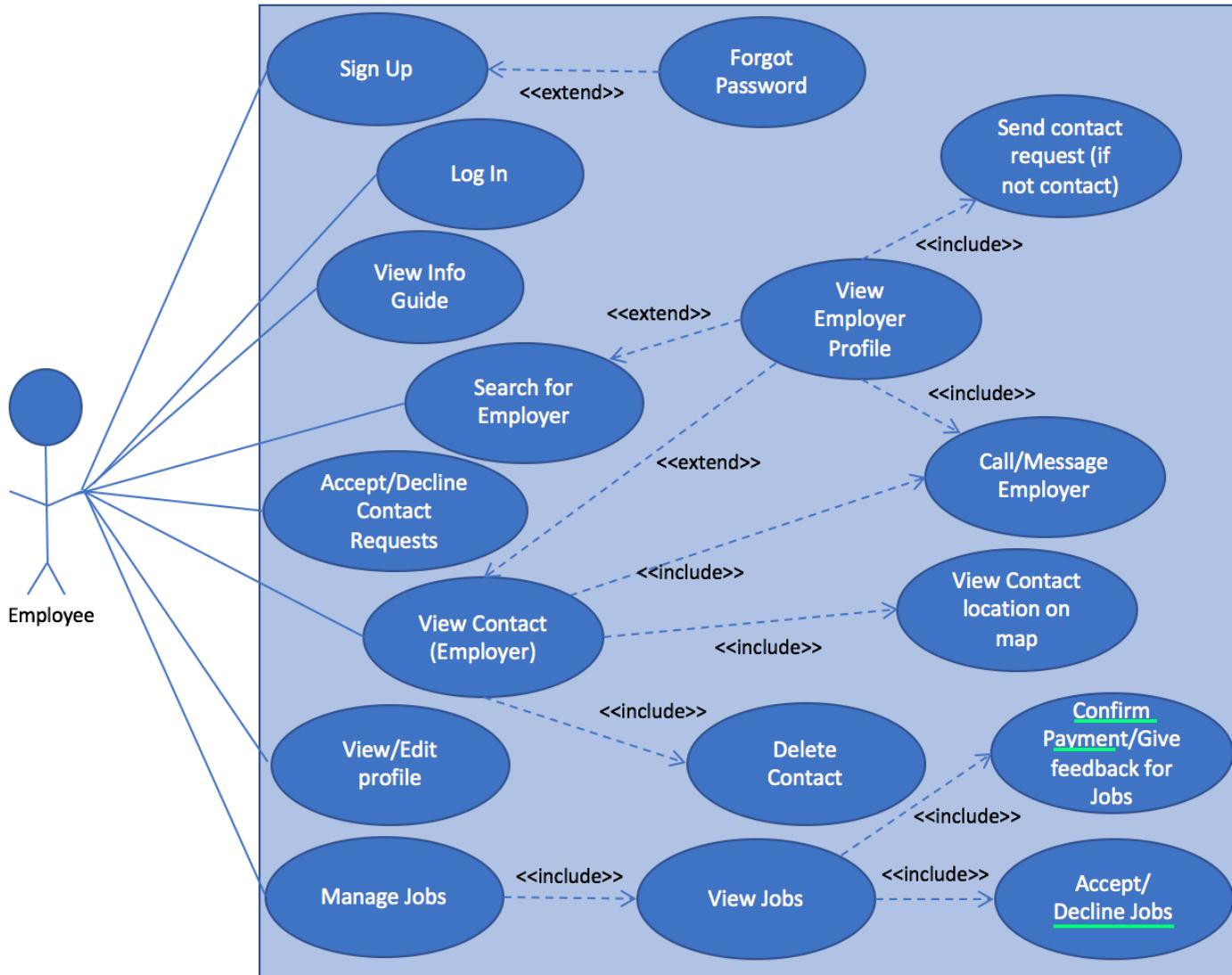


- 1) Sign Up + Log In
- 2) Go to search engine
 - Search by name
- 2) OR wait for job request
- 3) Accept or decline job request
- 4) If job accepted,
 - -> Do job > Confirm payment received -> Give feedback for job

Employer: Use Case Diagram

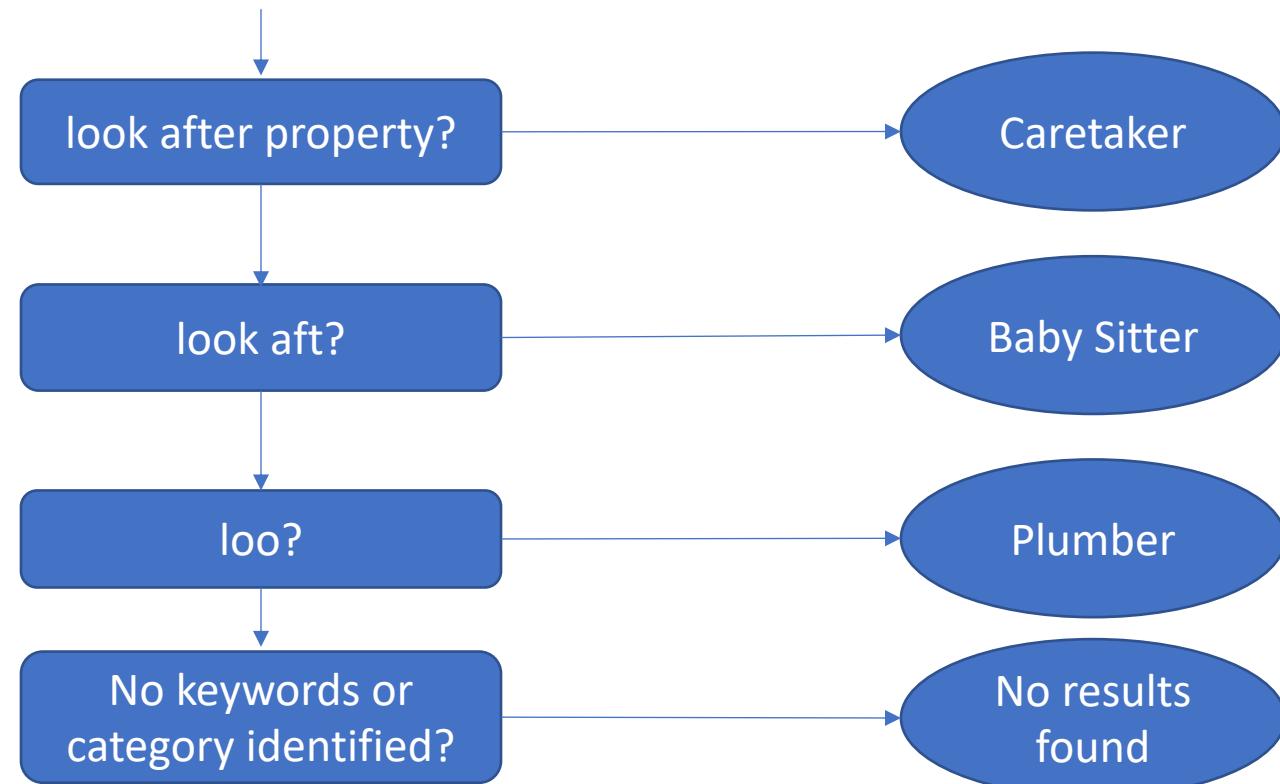


Employee: Use Case Diagram



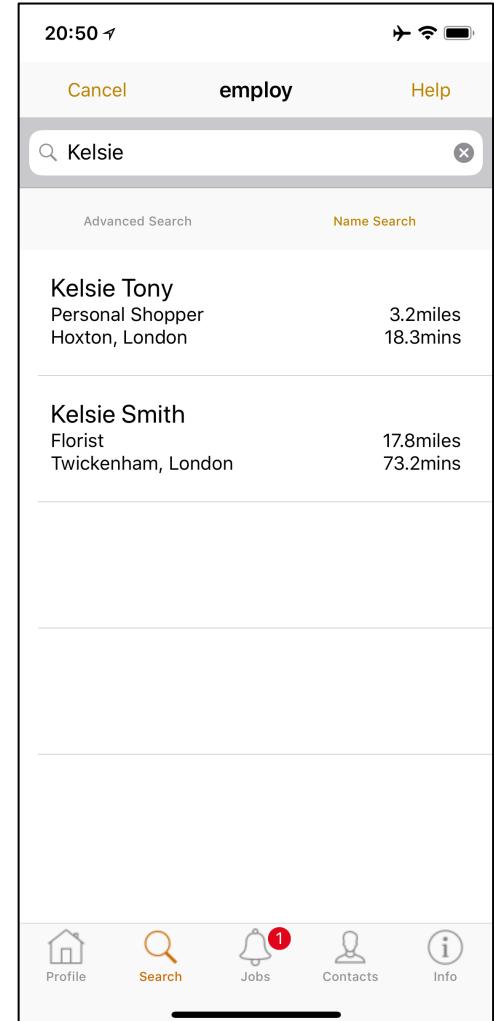
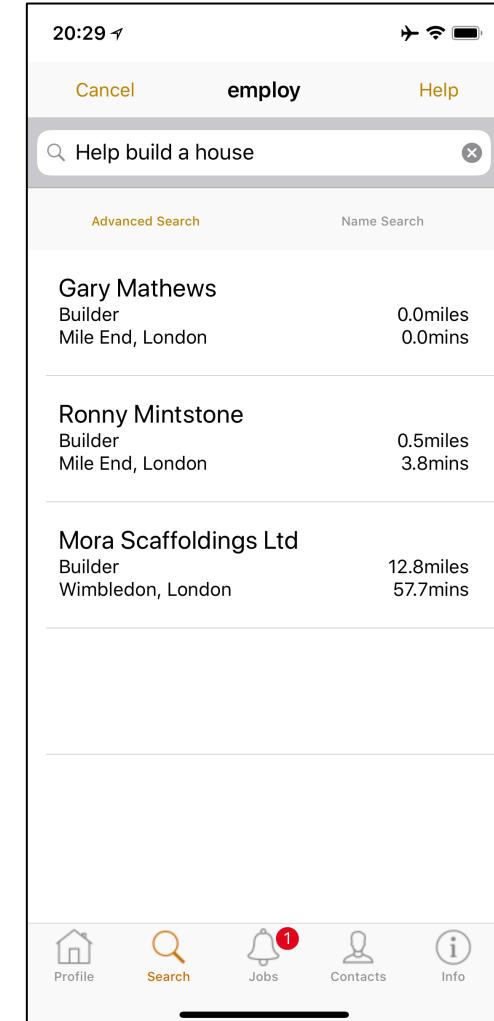
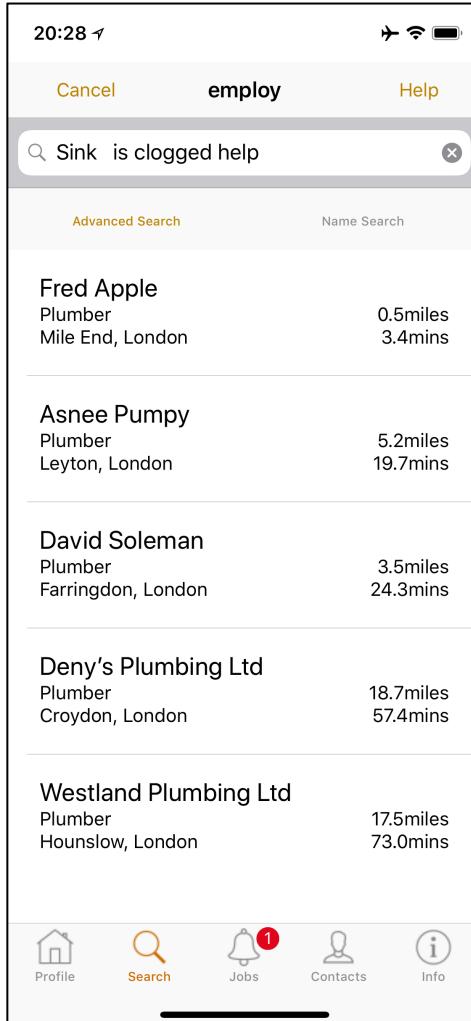
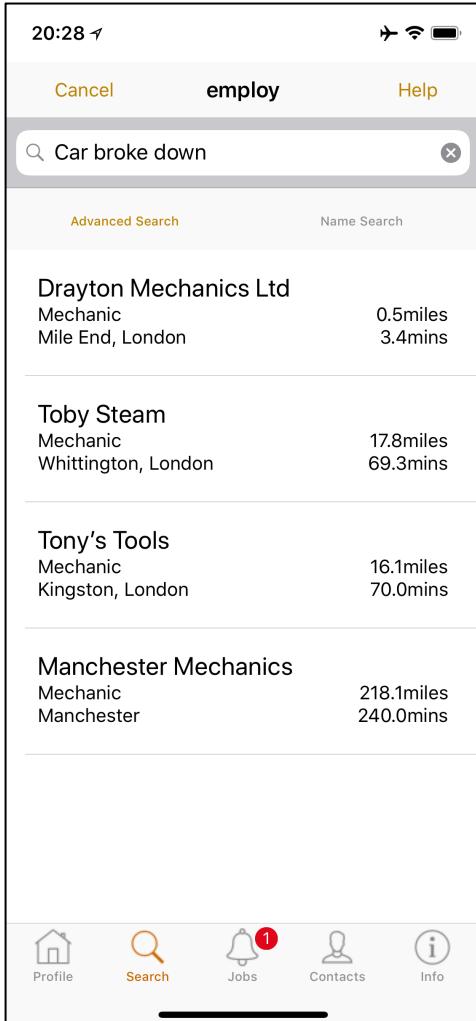
Search Engine: Advanced

- Category assignment using keyword analysis:
 - The function analyses keywords in a given order to decide what job category to assign to the phrase.
 - Example: “Need someone to **look after my property**”

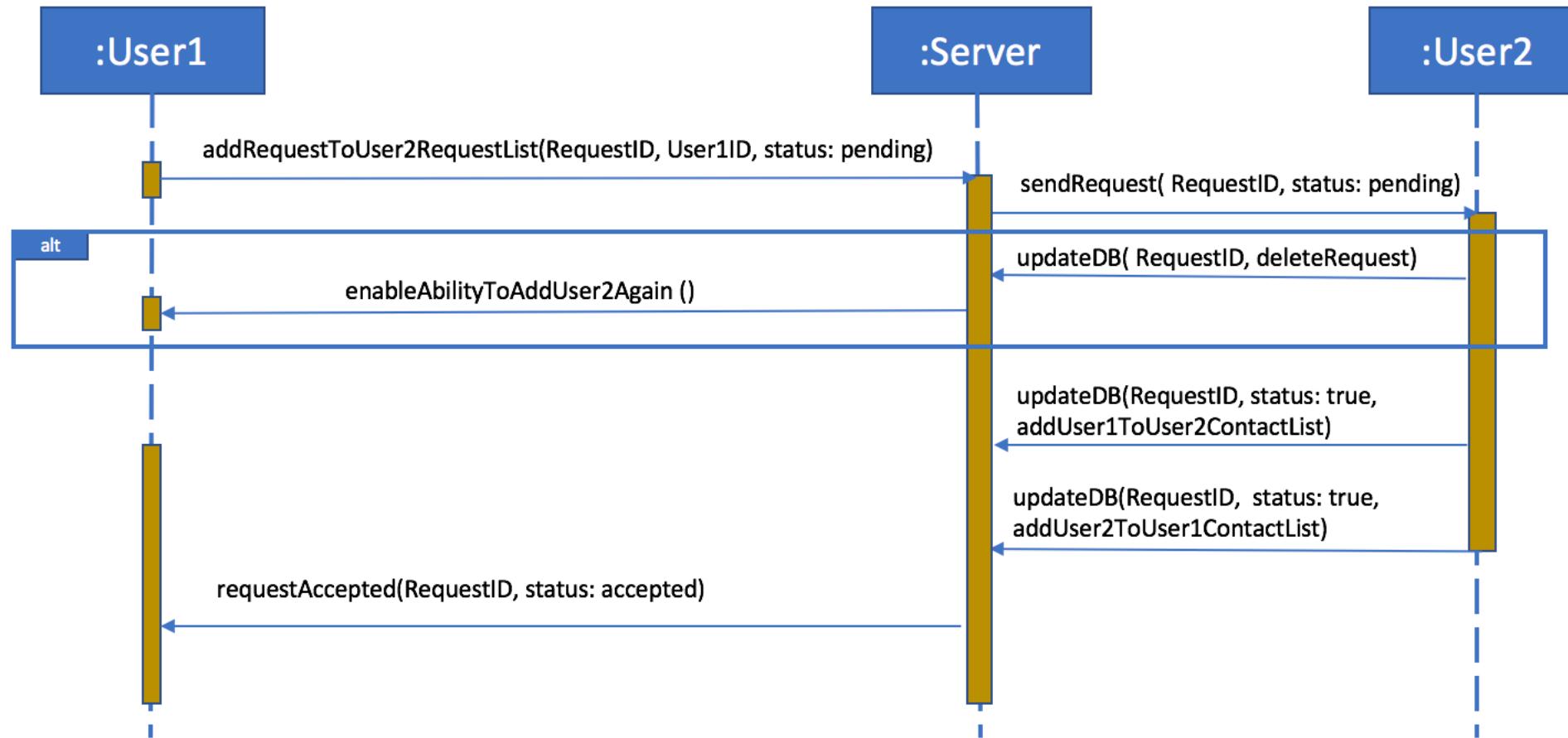


Search Engine: Example Results

Shows Closest User First

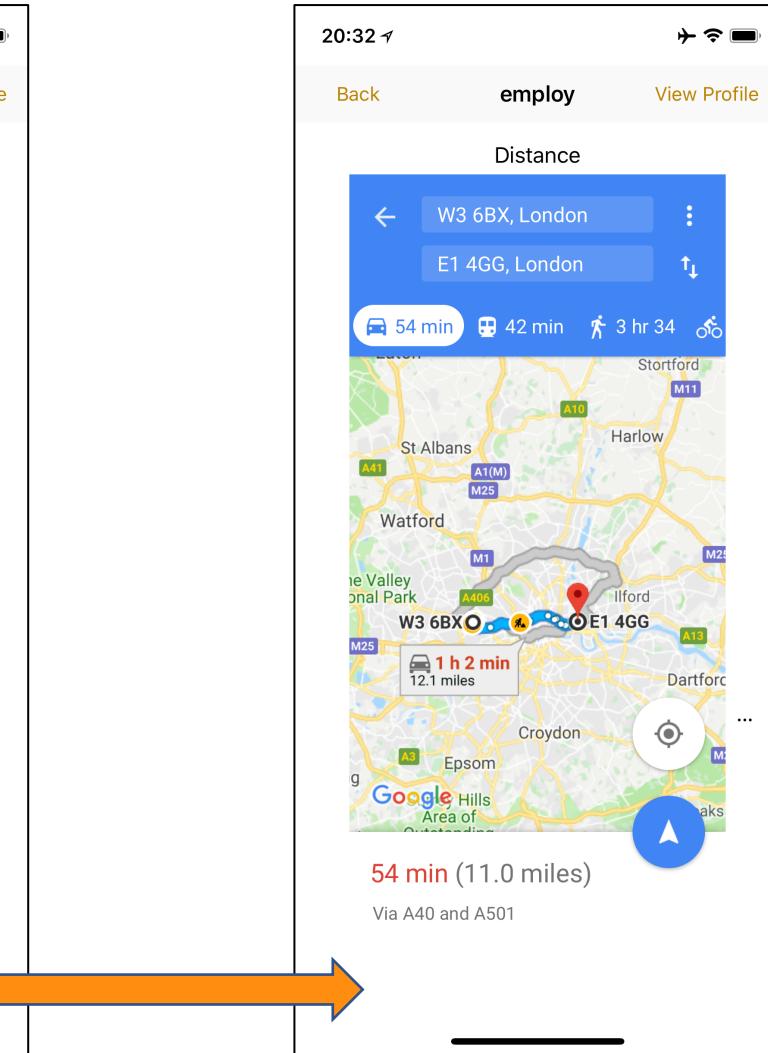
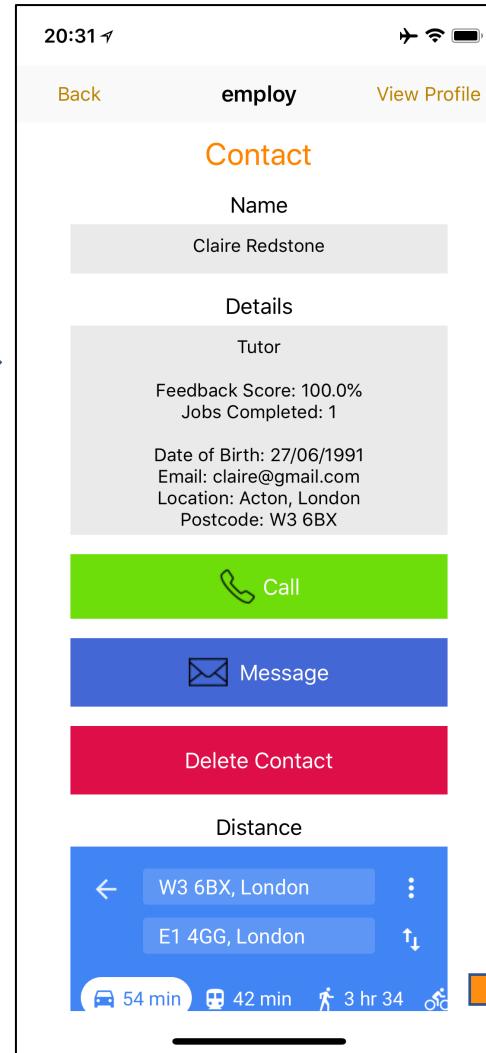
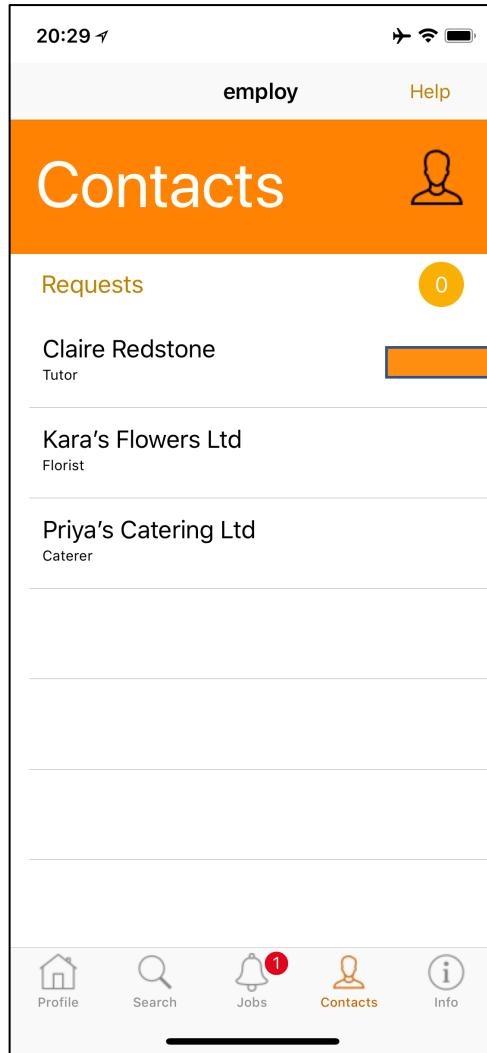


Employ's Contact Request System:



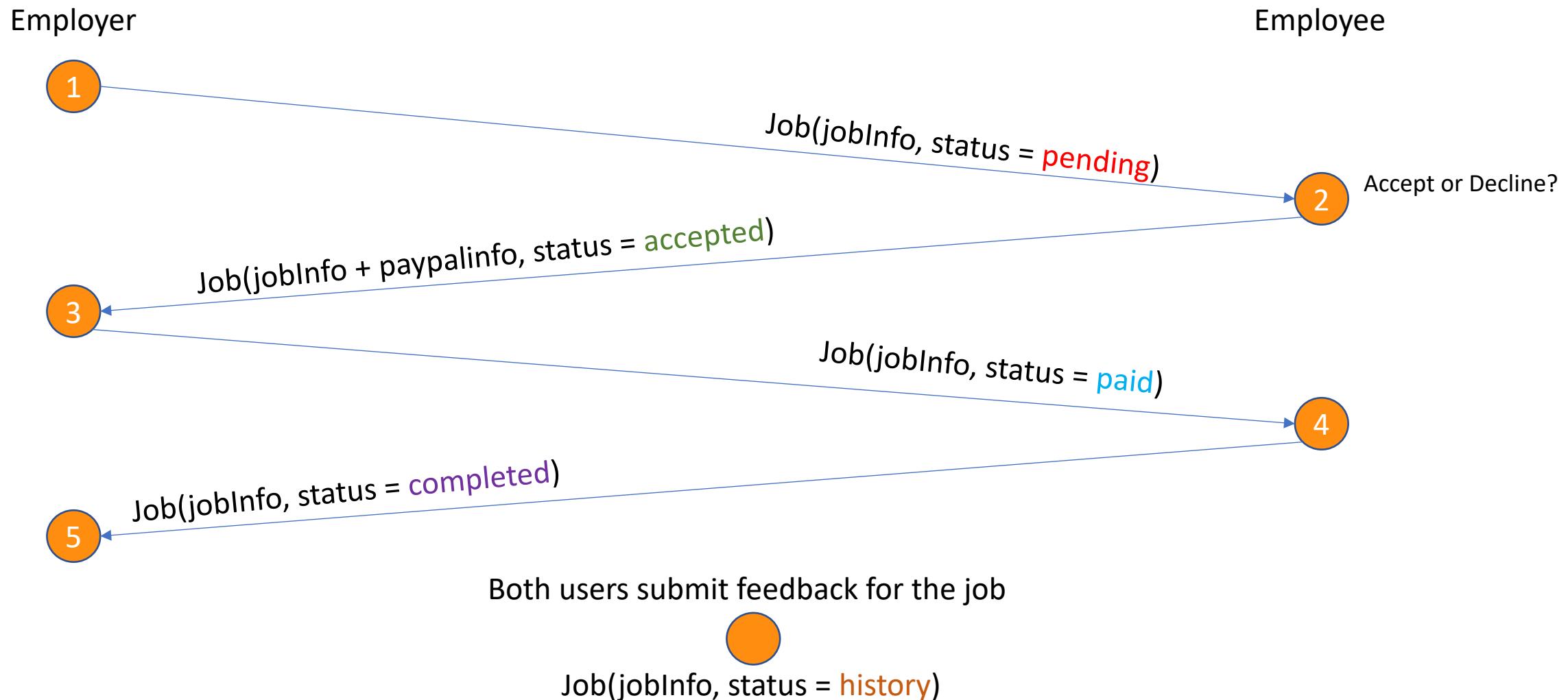
Simplified Sequence Diagram

View Contact Feature

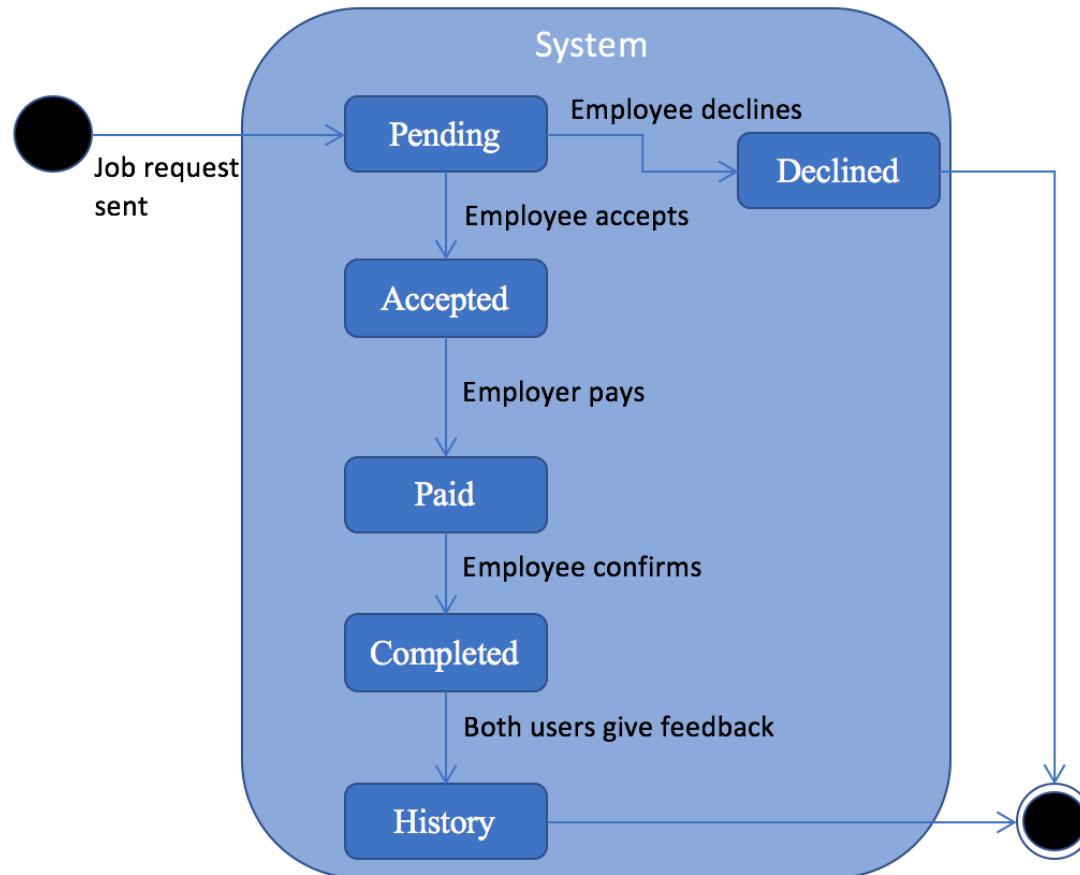


Employ's 5 Stage Job Request System

Any job has multiple stages. The Employ job request system simplifies the process by dedicating a page of the app to handle jobs.

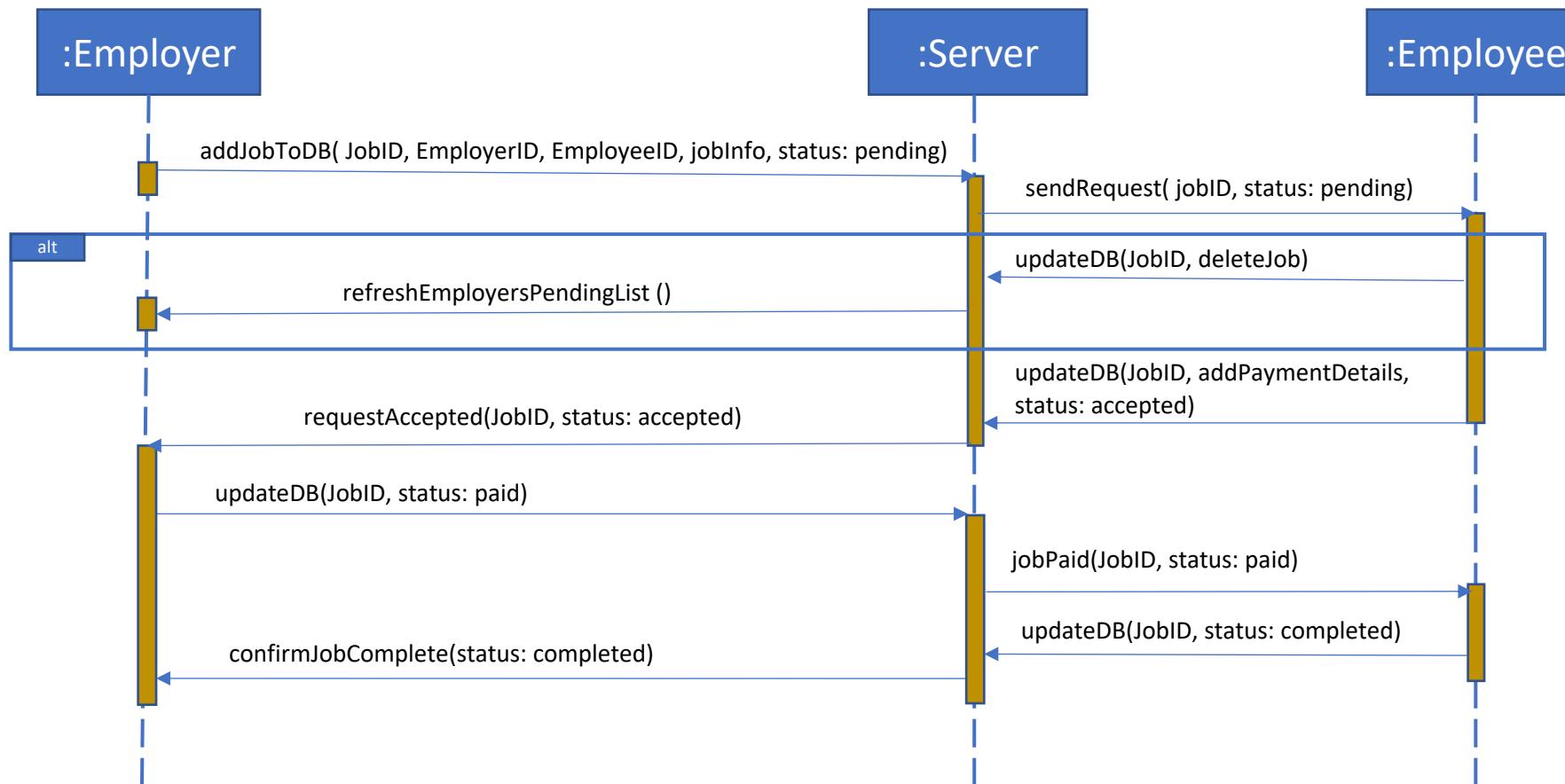


Life of a Job



State Diagram

Employ's Job Request System:



Simplified Sequence Diagram

Demonstration: (15 Mins)

- Sign up as both Employer/ Employee (Optional)
- Edit Profile (Optional)
- Search Engine
 - Advanced : -Category & Phrase,
 - Name: -Search by name
 - Find user -> Call/Message
- Contact Request System
- Job Request System
- Info Guide

The End