



CMPE 295 B - Spring 2015

Advisor - Prof. Ashok Banerjee

Liefern (Crowd-source logistic solution)

Authors:

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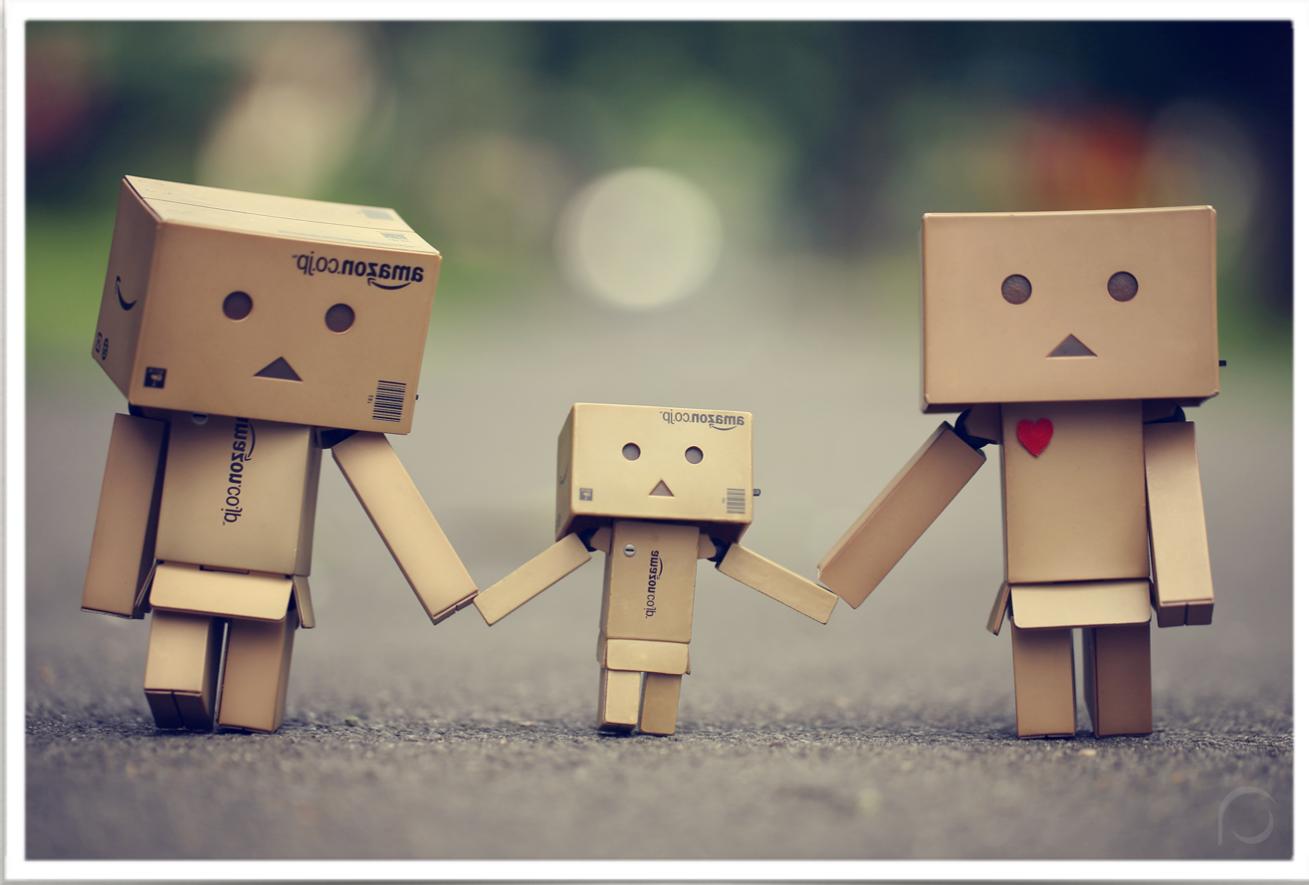
Features

❖ Crowd Source

- Peer-to-peer shipping network
- True crowd sourced delivery platform that will help connect travelers and customers all around the world.

❖ Cheaper

- Lieferrn helps to monetize the extra carrying space of drivers that are already on their way to the destination.



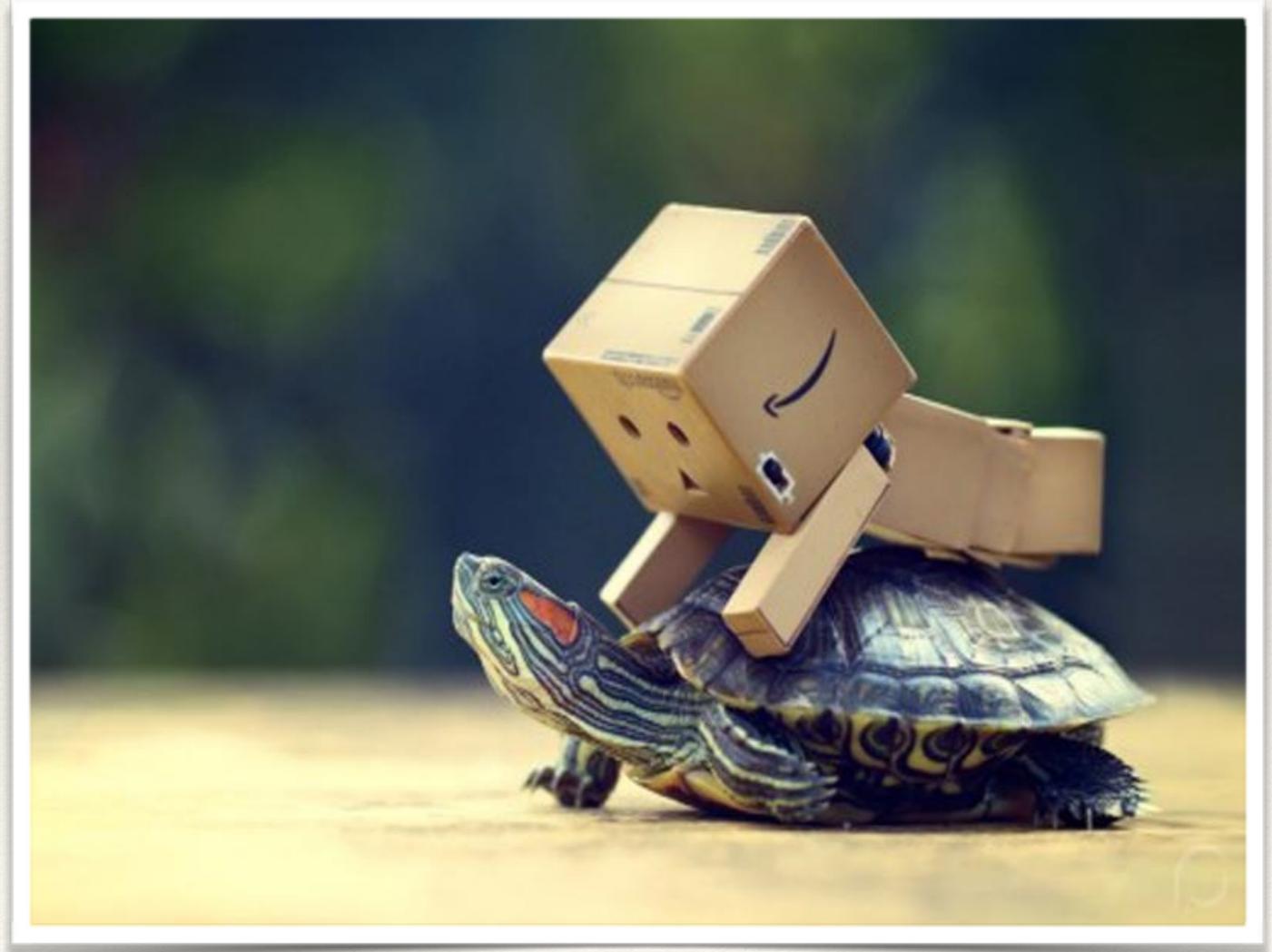
Features

❖ Faster Delivery

- Do not wait for 2-3 days delivery. Get faster delivery from Liefern traveler on their way.

❖ Saving Environment

- Liefern doesn't add any new vehicles on the road. But make use of existing one.



Technology



Backend service

- Java
- REST API Framework
- Node JS
- Loopback framework



Database

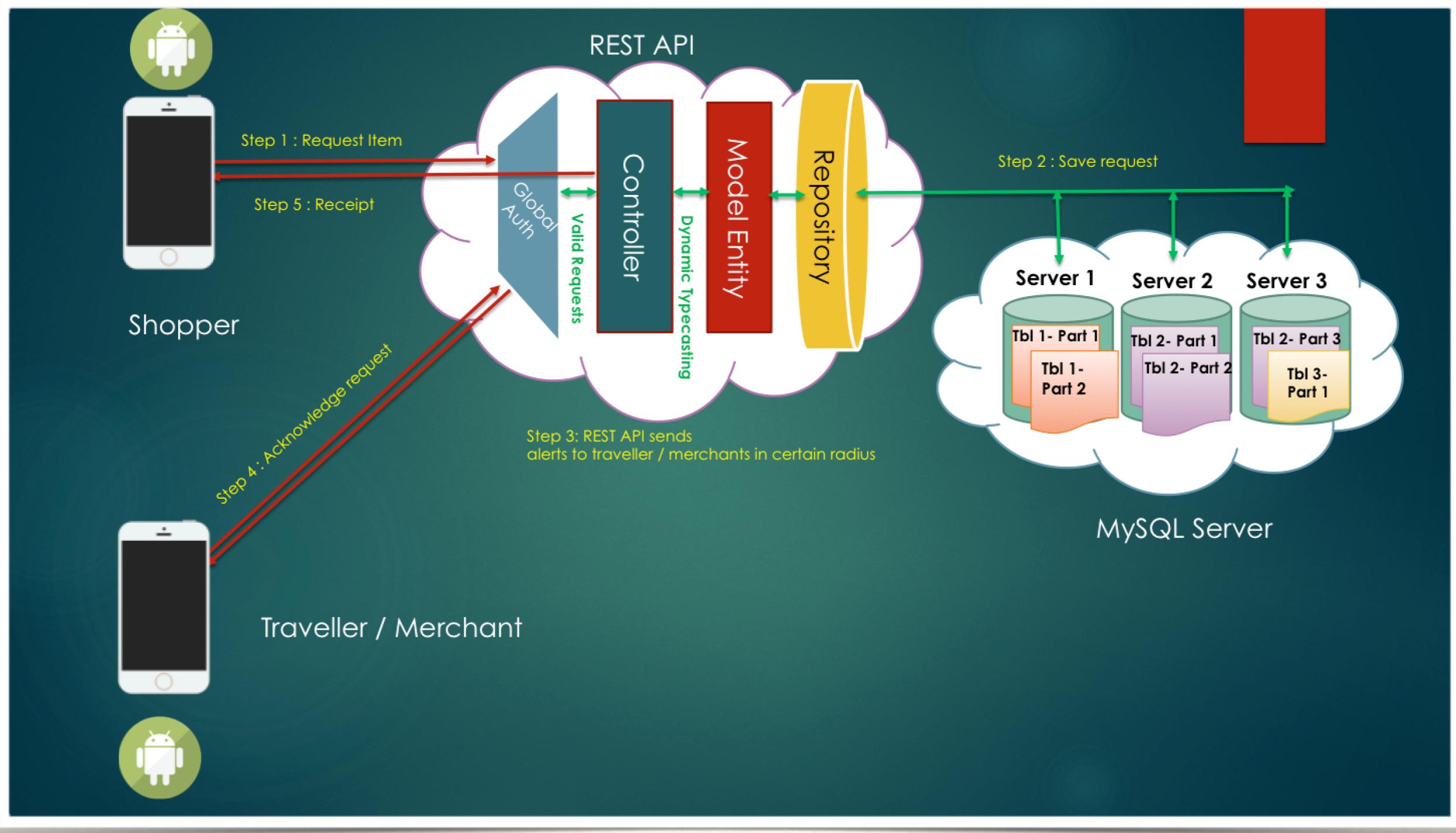
- MySQL



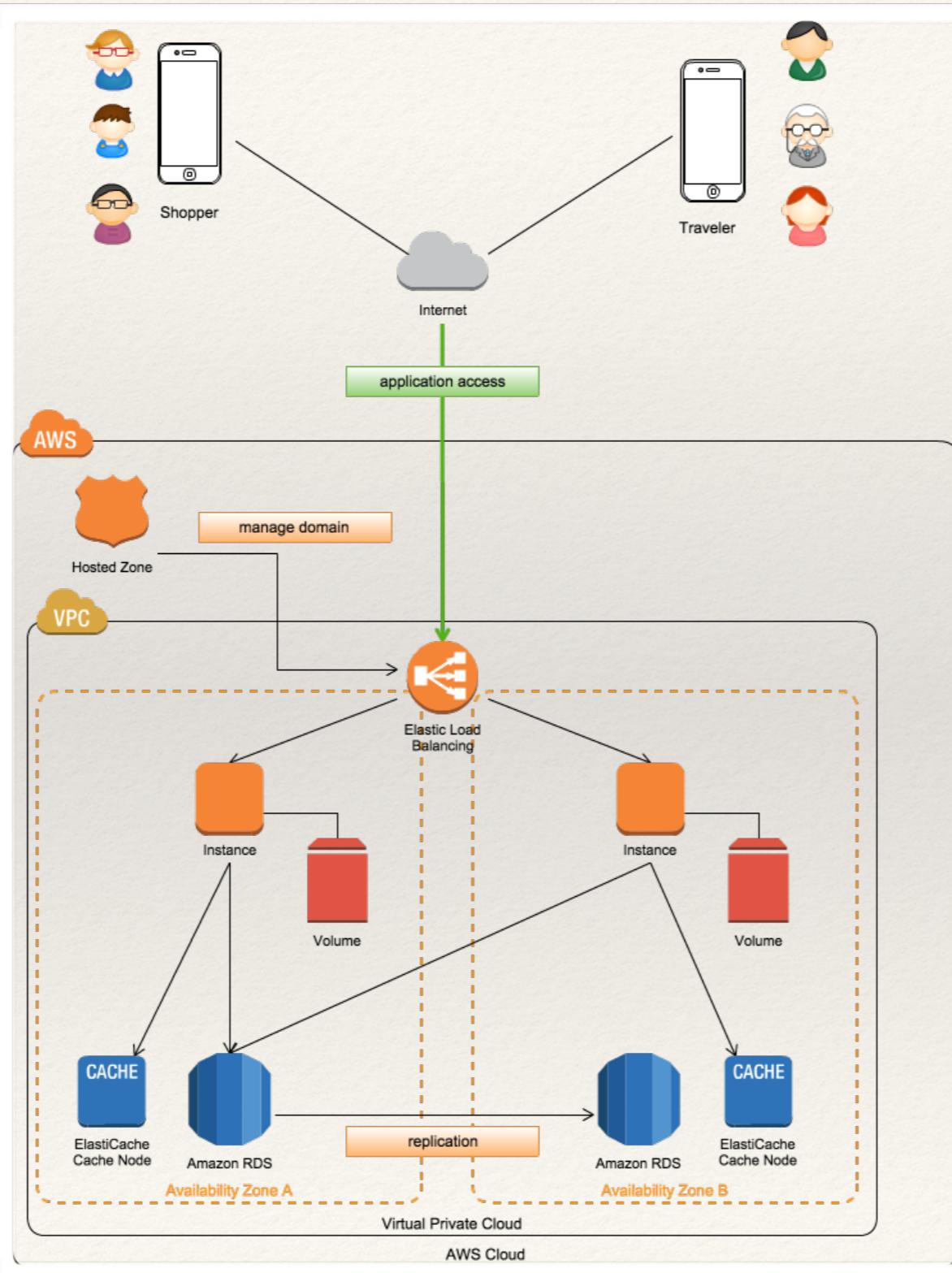
Frontend Framework

- Android
- Google Maps
- HTML 5
- Jquery
- CSS

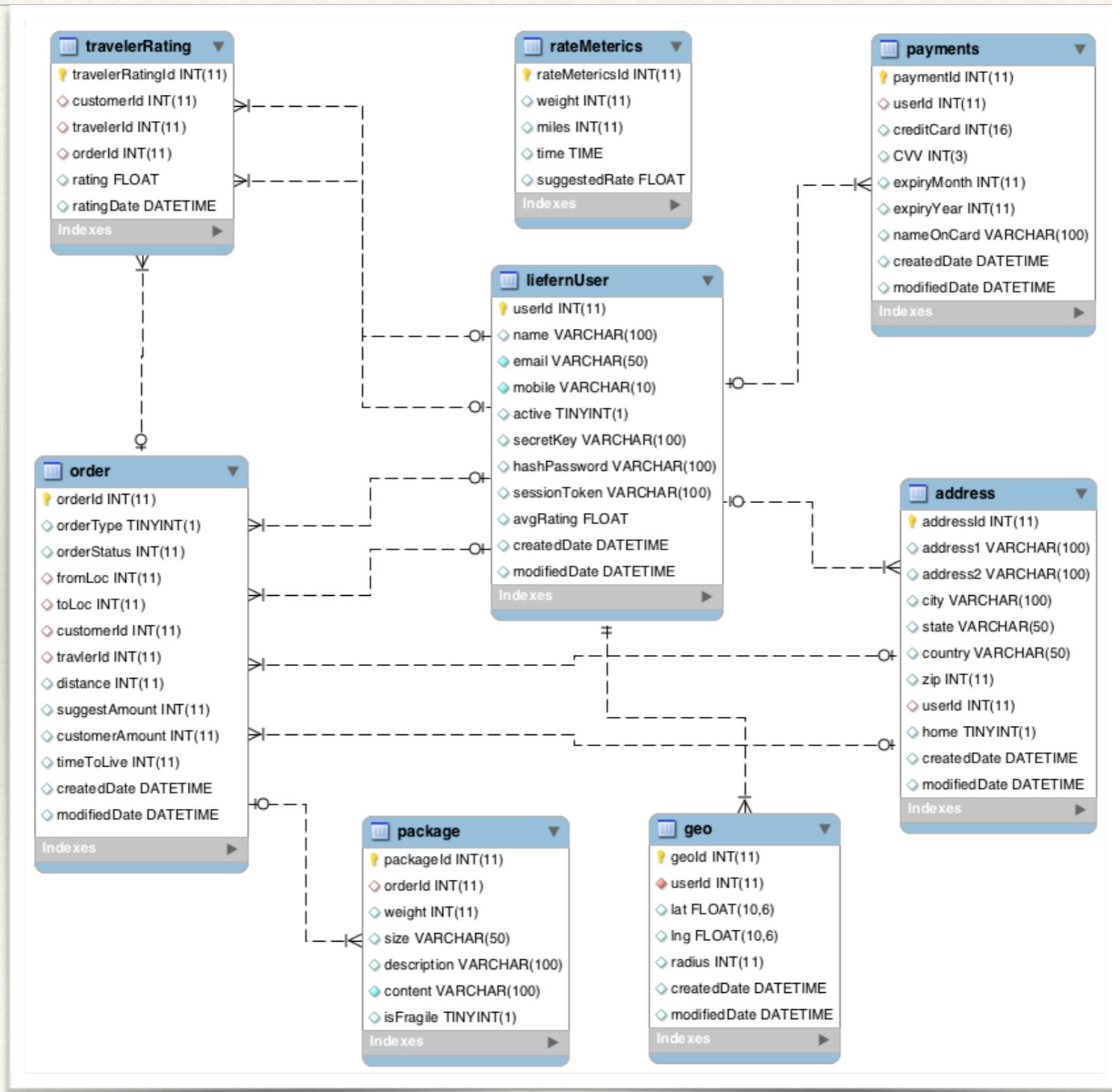
Architecture



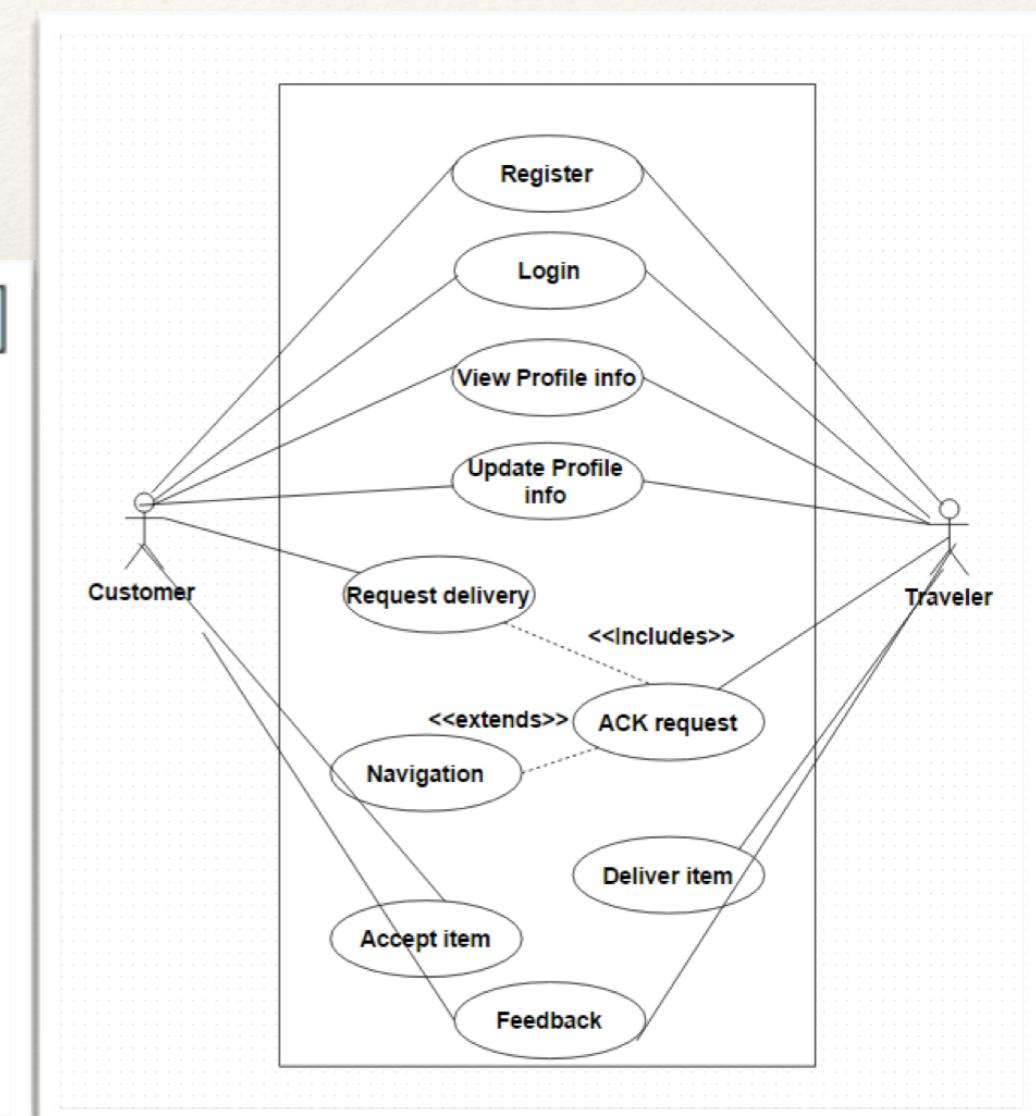
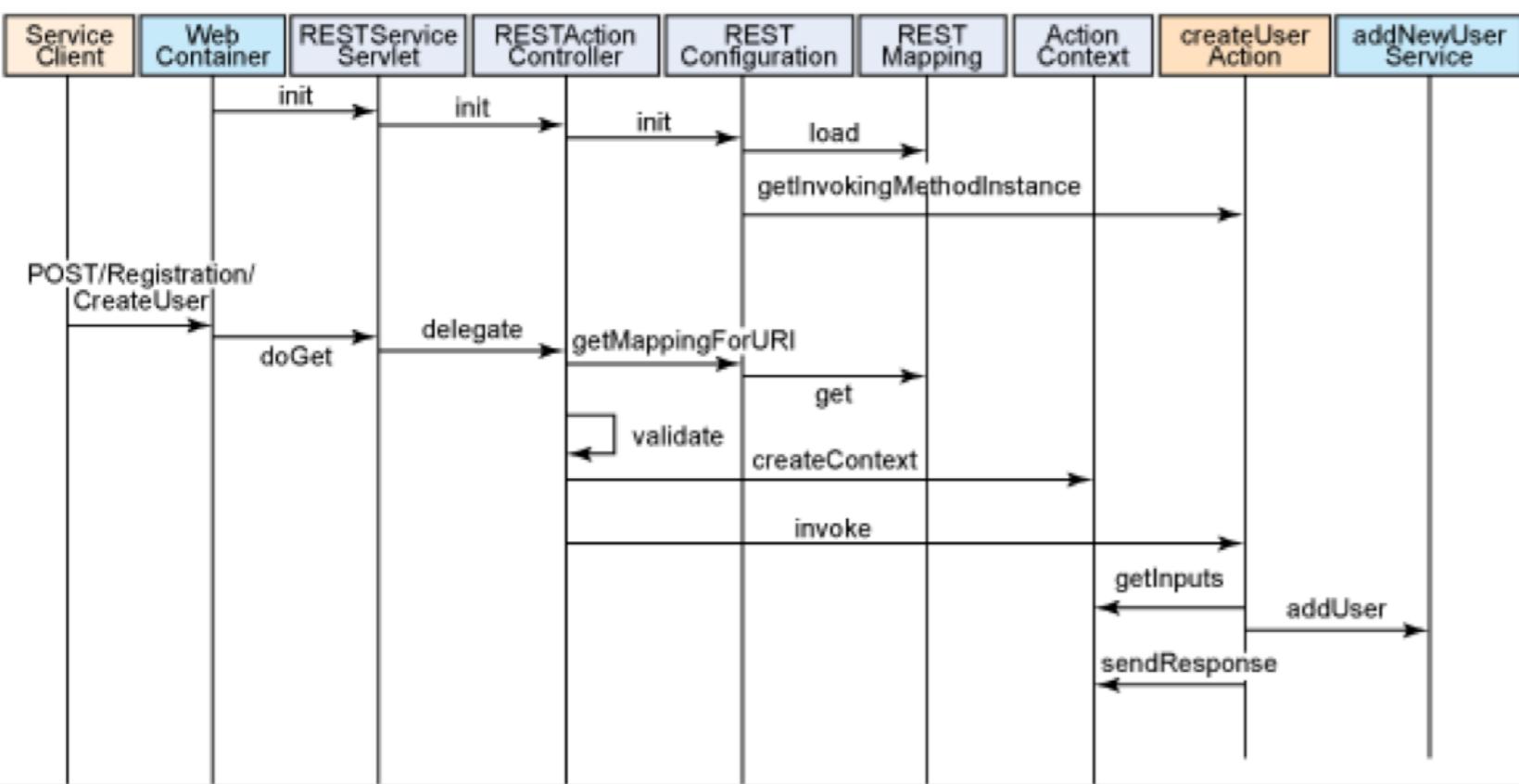
Deployment Architecture



Database Architecture



Methodology



Economic Impact

Collaborative Economy Honeycomb Version 1.0

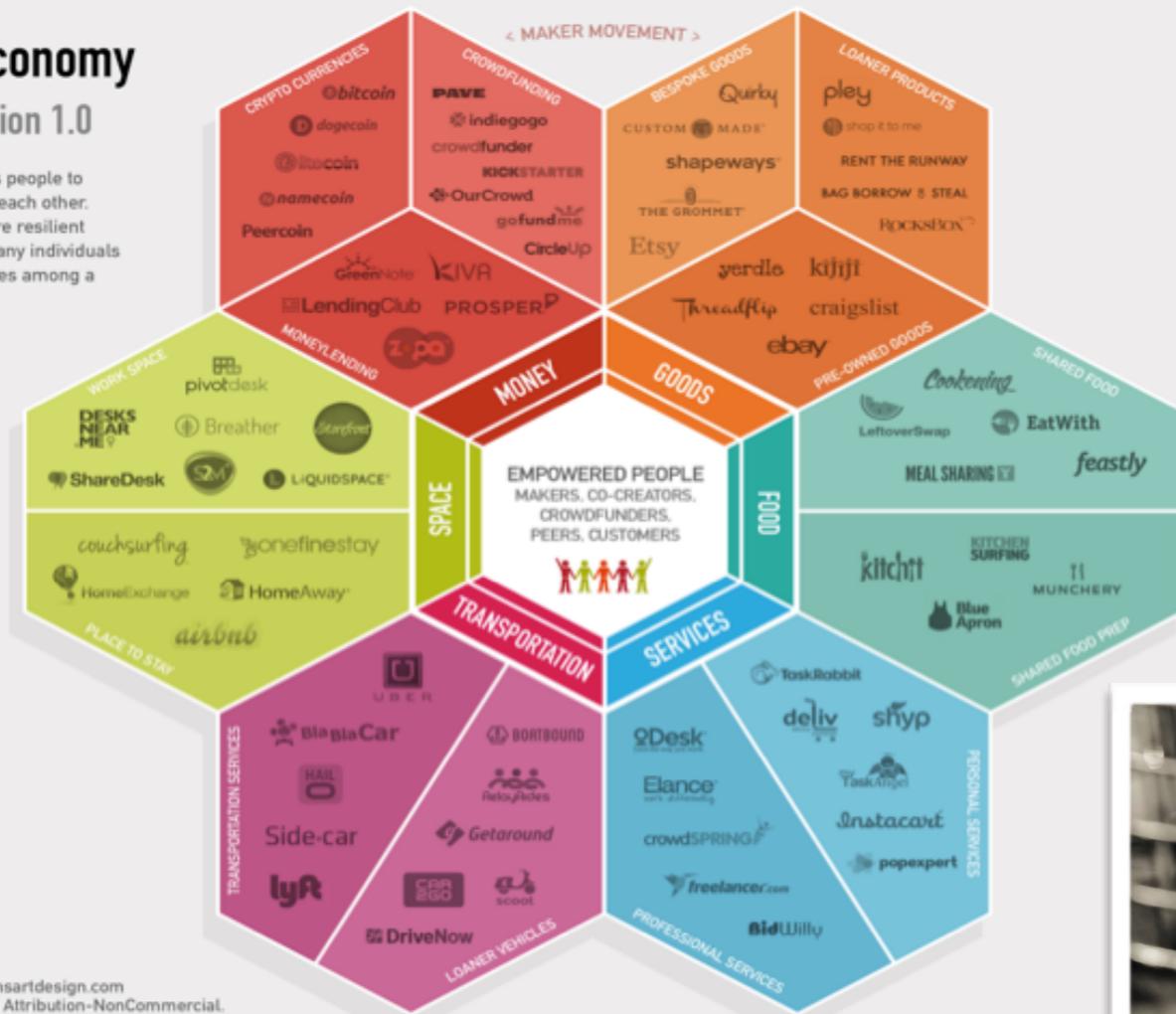
The Collaborative Economy enables people to efficiently get what they need from each other. Similarly, in nature, honeycombs are resilient structures that efficiently enable many individuals to access, share, and grow resources among a common group.

In this visual representation, this economy is organized into discrete families, sub-classes, and example companies. To access the full directory of 9000+ companies visit the Mesh Index, at meshing.it/companies managed by Mesh Labs.

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Design by Vladimir Mirkovic www.transartdesign.com
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KEY MARKET FORCES

SOCIETAL DRIVERS

- DESIRE TO CONNECT
- SUSTAINABLE MINDSET
- POPULATION INCREASE

ECONOMIC DRIVERS

- FINANCIAL CLIMATE
- UNTAPPED IDLE RESOURCES
- STARTUPS HEAVILY FUNDED

TECHNOLOGY ENABLERS

- INTERNET OF EVERYTHING
- MOBILE TECHNOLOGIES
- SOCIAL NETWORKS



Mobile Application

The image displays three screenshots of a mobile application interface for "Liefern".

Screenshot 1: Sign Up Screen
This screen shows a "Sign Up" form with fields for "Name", "Mobile", "Email Id", and "Password". A "Sign Up" button is at the bottom. The background is green.

Screenshot 2: Map Screen
This screen shows a map of San Jose, California, with a yellow route line. A callout box indicates "Liefern Driver: 8" and "Liefern user". The map includes labels for JAPANTOWN, CENTRAL SAN JOSE, Happy Hollow Park & Zoo, and various streets like N King Rd, McKee Rd, E Taylor St, N 17th St, N 13th St, N 11th St, S 1st St, S Almaden Ave, Keyes St, S 7th St, Senter Rd, and G8. A "Please select Role" message is at the bottom, with "Traveler" and "Shopper" buttons.

Screenshot 3: TravelerActivity Screen
This screen shows a profile for "ARUN MALIK" with a placeholder image. It features a navigation menu with options: HOME, REQUEST, DELIVERY, RECEIPT, and PAYMENT. A "\$15" balance is shown on the right side.

Mobile Application

The image displays three screenshots of a mobile application interface, likely for a delivery service, showing the progression through three activity screens: ShopperPage1Activity, ShopperPage2Activity, and ShopperPage3Activity.

ShopperPage1Activity: This screen shows the initial input fields for shipping information. It includes fields for the recipient's phone number (95112), address (To Address: test3, test4), city (LA), state (CA), and country (USA). A delivery zip code (98888) is also present. A "Next" button at the bottom indicates the flow to the next step.

ShopperPage2Activity: This screen prompts the user to "Please select Role". It features a large button labeled "Add packages" with a plus sign icon. Below this button, there is a summary of the package details: "Package: tea" and "Size: 12x12 - Weight: 456". A "Next" button is located at the bottom of this screen.

ShopperPage3Activity: This screen displays the "Delivery Charges" for the package. It shows a total weight of "10" and a "Total weight : 456". A note states "Recommended delivery cost \$10". There is a field for "Delivery cost you want to pay" and a prominent "Place Order" button at the bottom.

Mobile Application

The image displays three screenshots of a mobile application interface, likely for a delivery service, showing different sections: Pending Requests, Fulfilled Orders and Receipts, and Order Details.

Pending Requests Screen: Shows five pending delivery requests. Each request includes the order number, pickup location, drop location, and price.

Order Number	Pickup Location	Drop Location	Price
Order Number : 17	San Francisco - San Jose		\$15
Order Number : 31	San jose - San jose		\$15
Order Number : 32	cfhjt - vhh		\$58
Order Number : 33	xxxx - hhj		\$30
Order Number : 34	III - ccc		\$50

A success message "Request Placed Successfully!" is visible at the bottom of this screen.

Fulfilled Orders and Receipts Screen: Shows six fulfilled orders. Each entry includes the order number, pickup location, drop location, and price.

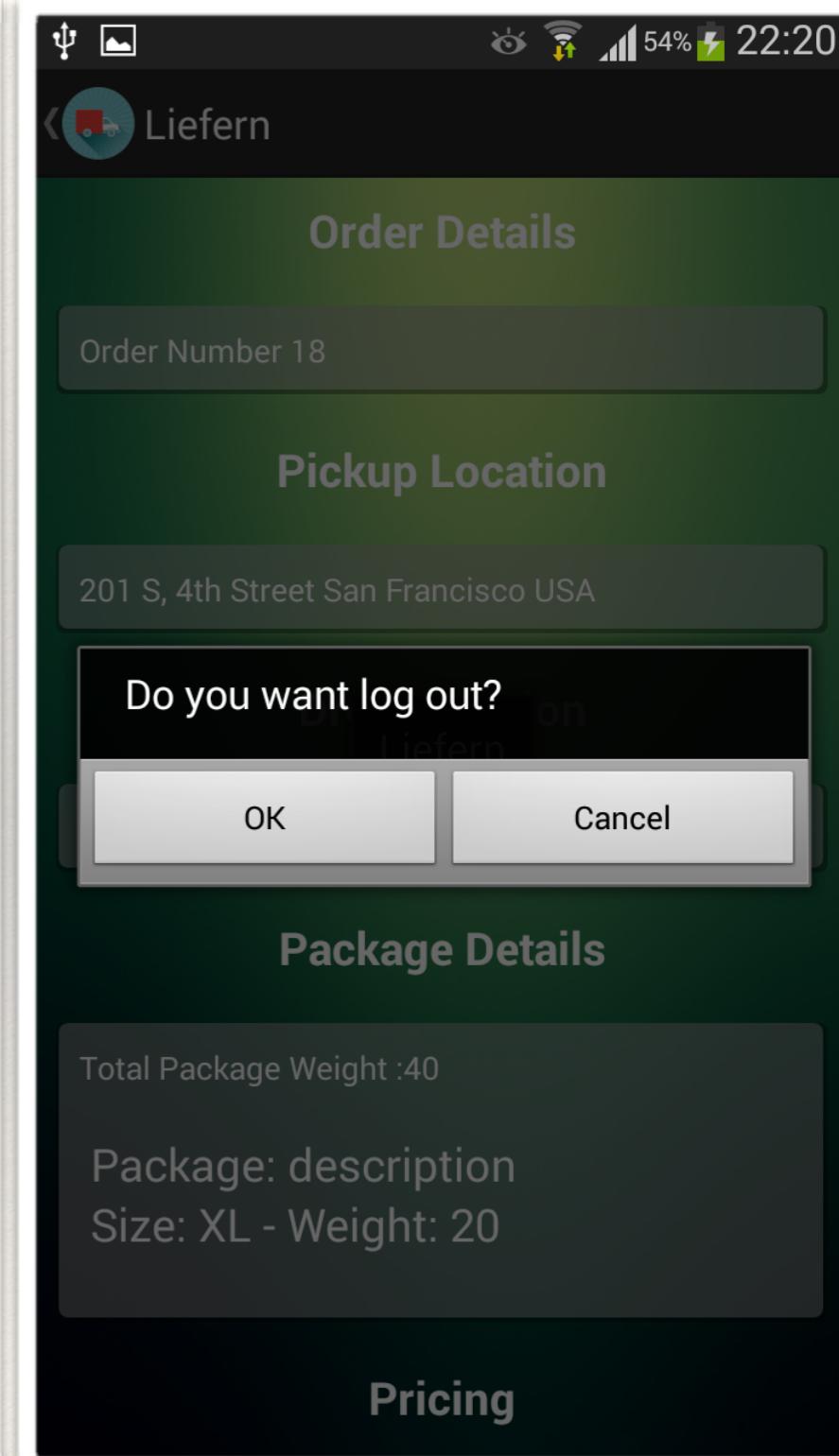
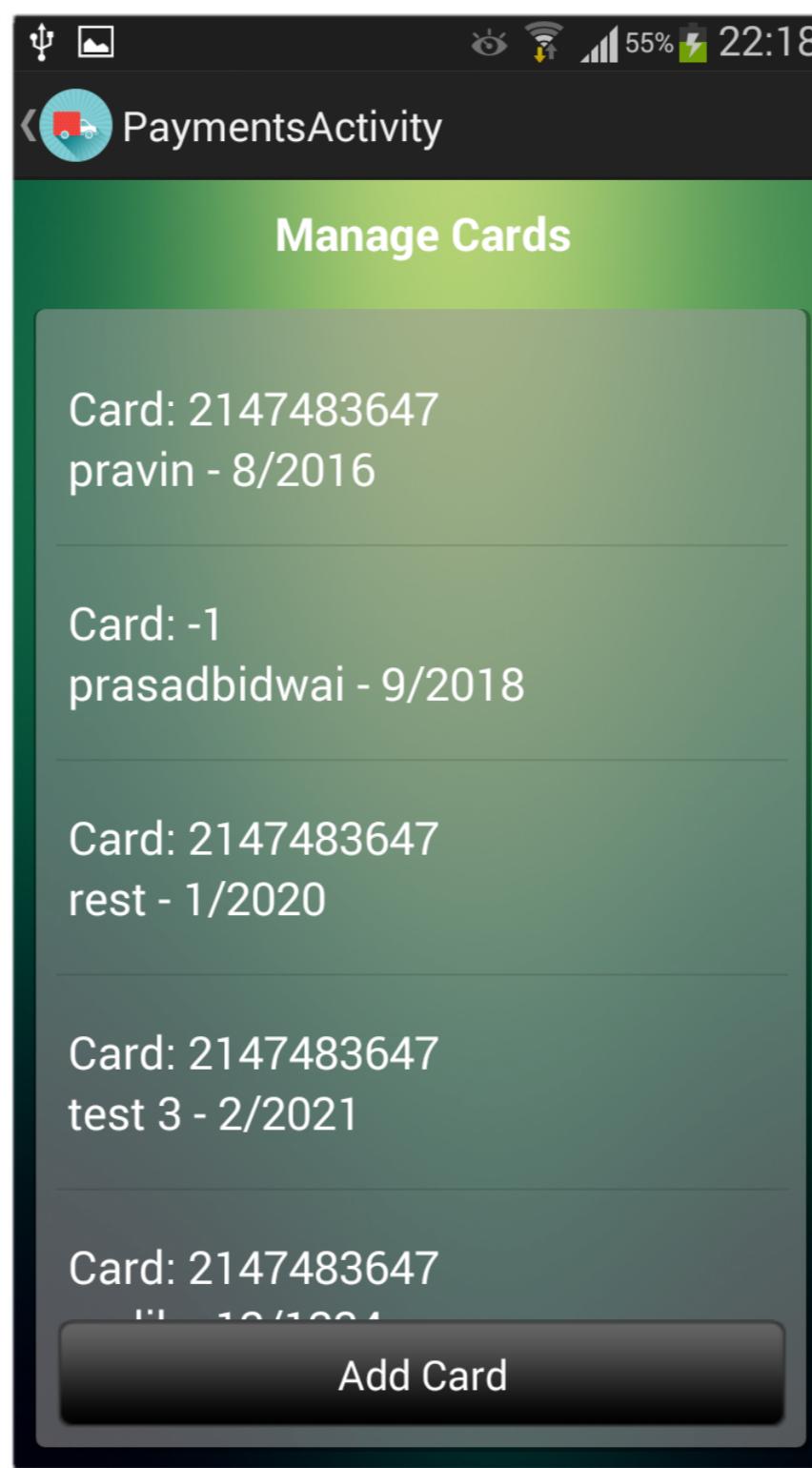
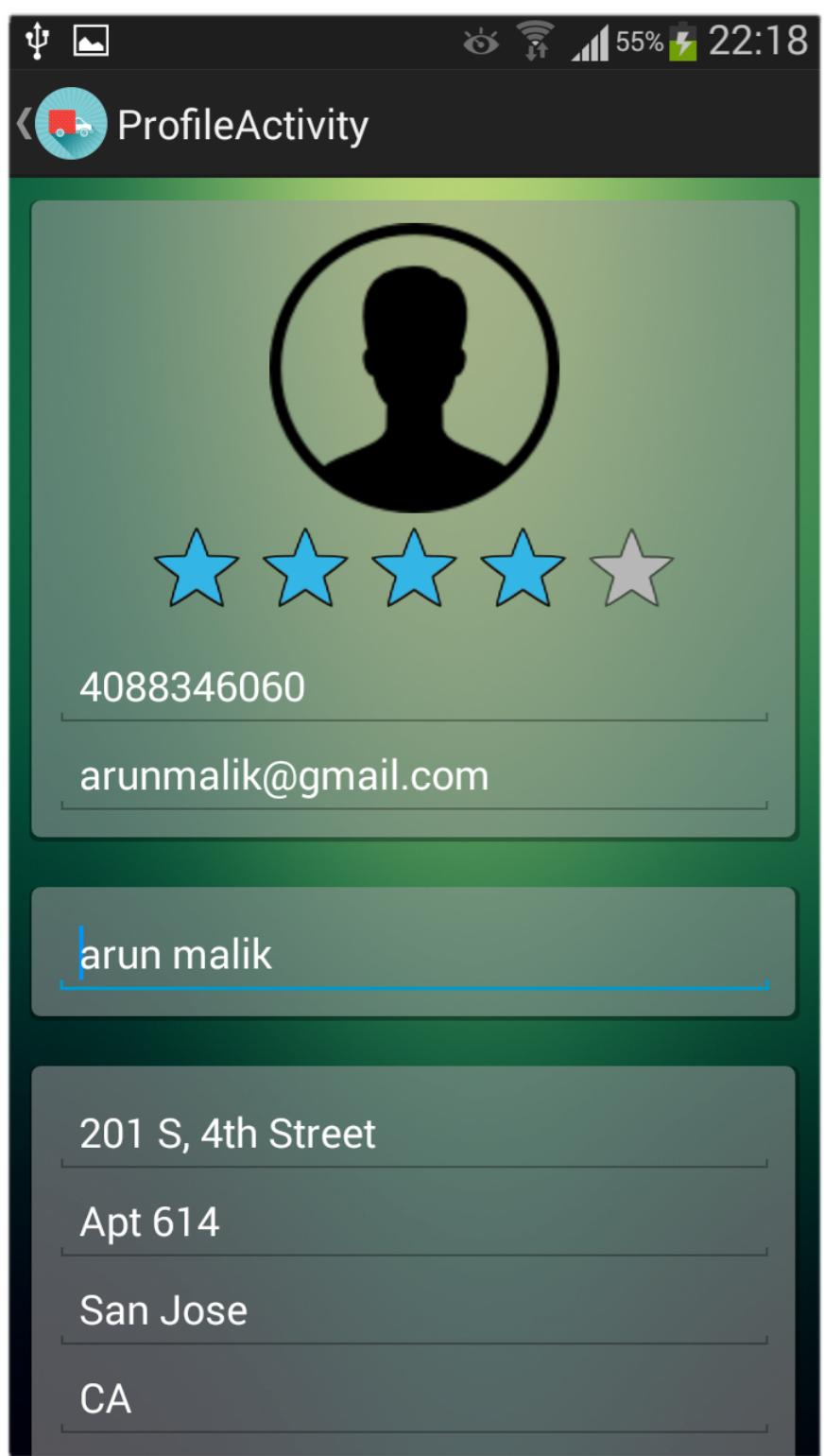
Order Number	Pickup Location	Drop Location	Price
Order Number : 15	San Jose - San Francisco		\$15
Order Number : 16	San Jose - San Francisco		\$15
Order Number : 22	San Jose - San Francisco		\$15
Order Number : 23	San Jose - San Francisco		\$15
Order Number : 24	San Jose - San Francisco		\$15

Order Details Screen: Provides detailed information for Order Number 17. It includes sections for Pickup Location, Drop Location, Package Details, and Pricing.

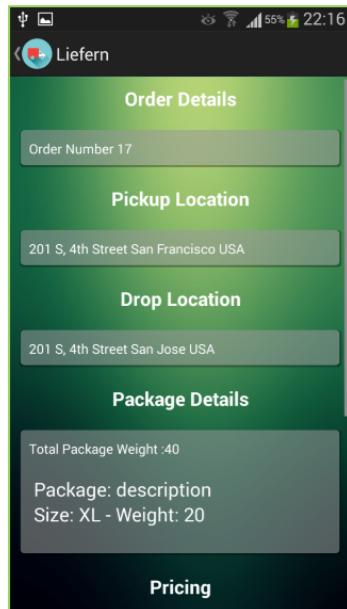
Order Number 17 Details:

- Pickup Location:** 201 S, 4th Street San Francisco USA
- Drop Location:** 201 S, 4th Street San Jose USA
- Package Details:** Total Package Weight :40, Package: description, Size: XL - Weight: 20
- Pricing:** (Information not fully visible)

Mobile Application

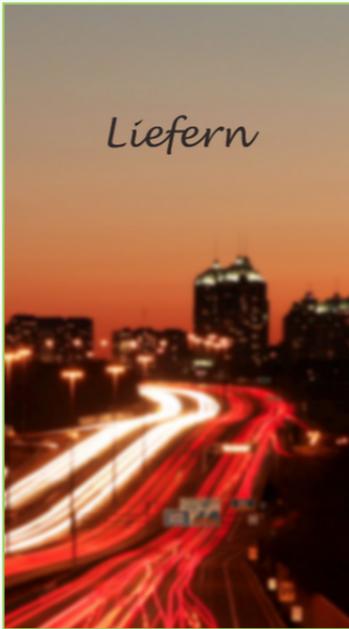


Website



Liefern

Perfect app that makes your everyday life so much easier!

[DOWNLOAD](#)

Features available with Easy perfect free app

Faster delivery
Do not wait for 2-3 days delivery. Get faster delivery from Liefern travler on their way.

Safe
Liefern app makes it easy, safe and convenient to get your stuff where it needs to go, whether it needs to arrive same-day, next day or even over the weekend.

Crowd Sourced
Think of us as neighbor-to-neighbor shipping network.

Save Money
We are building a faster, cheaper, friendlier way to get your stuff where it's going

How it works

Just create a shipping request and we will match you with a Liefern driver who is headed that direction. Think of it as carpooling for cargo. The Liefern mobile app makes it safe, easy and fun



Earn Cash

Whatever you decide to spend it on, cash is the reason why being a Liefern driver can quickly become worth your while. Plus, you can write off all the mileage on your taxes!



Saving Environment

We like to think we are doing a lot to help the environment, since most of the time, our Liefern drivers are already going that way. With a few extra minutes and extra room to give your stuff a lift.



Liefern community

Drivers and senders in the Liefern community are helping each other out, and doing green deeds for the planet by reducing packing materials and keeping another delivery truck off the road.

Team



Arun Malik

Developer



Pravin Agrawal

Developer



Ram Karnati

Software Engineer



Shivraj Patil

Software Engineer



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Acknowledgement

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“Thank You.”

