

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Healthier Communities Time Banking

The Capstone Experience

Team Spectrum Health

Caleb Eckman

Liam McGrath

Shirley Li

Courtney Irwin

Halle Dymowski

Department of Computer Science and Engineering

Michigan State University

Fall 2016



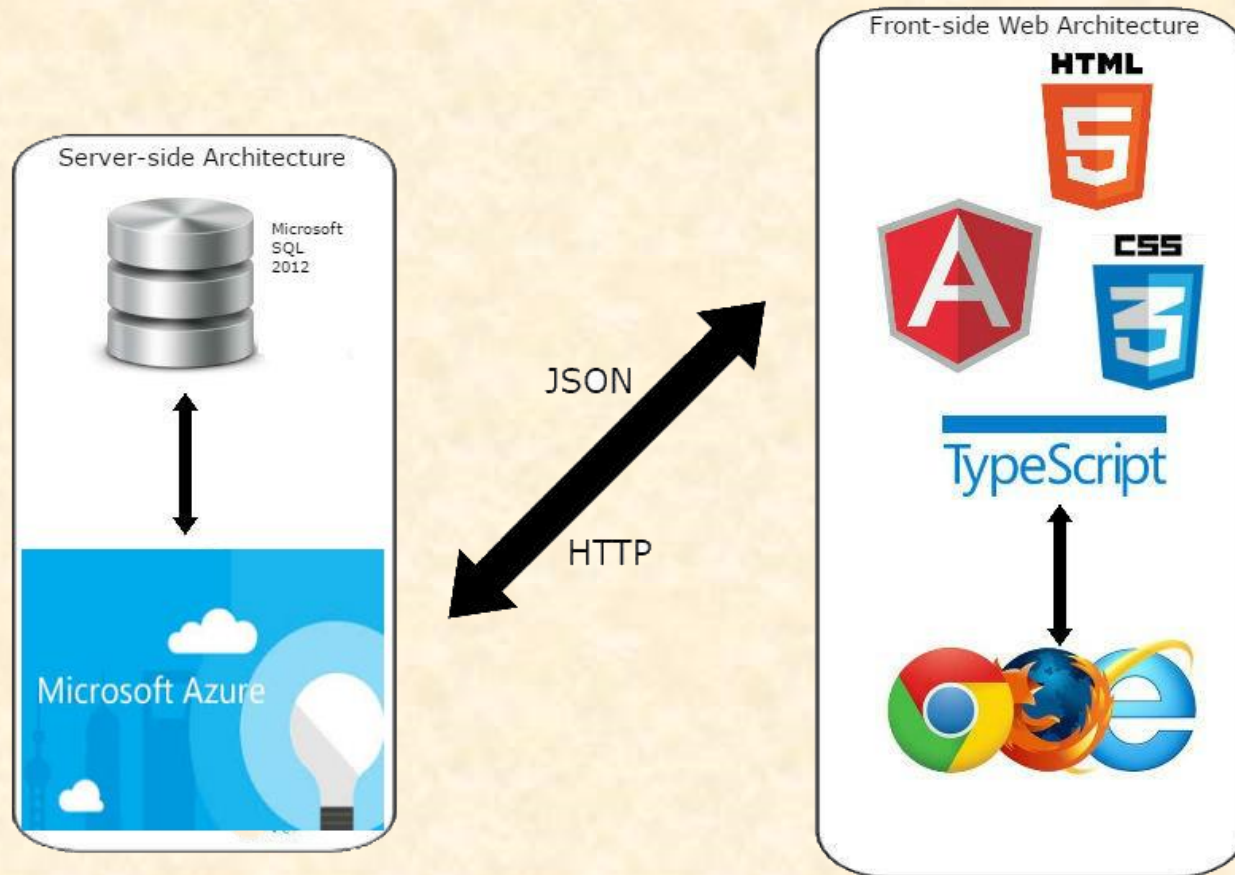
*From Students...
...to Professionals*

Project Overview

- Connect the Homebound Patients with the available volunteers
- Patients can request services that they need by spend “time points” in their “Time bank”
- Patients can also provide their skills to help others and earn “time points”
- Help Homebound Patients to find their own values




System Architecture



Profile Page


Spectrum Health Time Banking Logout



johnny1243
1300 Points | 1 Badge

- Home
- Search
- Message
- Listings

[Edit Profile](#)



John Baker
johnny1243
Construction worker from Grand Rapids, Michigan

Skills

- Accounting
- Cleaning
- Animal Care
- Computer
- Woodworking
- Car Maintenance
- Yardwork
- Plumbing
- Home Improvement


Bio

I grew up in Grand Rapids, and love living so close to Grand Haven, because I love hanging out at the beach in the summer. I work at a construction company in the Grand Rapids area and have two kids and a pet dog. I spend a lot of time in the trails around my house walking my dog.

Badges

Task Information Page


Spectrum Health Time Banking Logout



johnny1243
1300 Points | 1 Badge

- Home
- Search
- Message
- Listings

[Back to Requests page](#)



Lawn Mowing

Time span: 1 hours

I am going to be on vacation for 3 weeks, I would love it if someone could mow my lawn while I am away!

Yardwork Home Improvement


Points: **100**

Open Requested Confirmed Completed

Sara Johnson completed your request!

Conversations Page





Spectrum Health Time Banking Logout



johnny1243
1300 Points | 1 Badge

- Home
- Search
- Message
- Listings

My Conversations

-  **Sara Johnson**
-  **Tony Davis**
-  **Amina Nadir**
-  **Julie Murray**

My Tasks Page



johnny1243

1300 Points | 1 Badge

Home

Search

Message

Listings

My Requests [My Tasks](#)

Pending Tasks - Tasks which need to be accepted by the requester



Help with Furniture Assembly

I received some new furniture from my friend in the mail, but it requires some assembly and ...
300 points | 3 hours

Confirmed Tasks - You're confirmed to help with this task

Completed Tasks - Tasks you've completed for others



Taxes

I need help doing my taxes
100 points | 1 hours



Yardwork

The weather is changing and I would like some help raking leaves in my yard
0 points | 0 hours



What's left to do?

- Option for user if they forgot their password
- Testing of use cases
- Explore additional badge criteria options
- Optimize existing code



Questions?

?

?

?

?

?

?

?

?

?

