# **Spatial Crowdsourcing for Dynamic Settings**

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### Introduction

#### **Problem Statement:**

- *N* workers with varying skill sets have provided geospatial and availability data
- Possible clients have *M* tasks requiring workers with those skill sets

**Solution:** Develop a client/server system to algorithmically assign workers with matching skill sets to tasks submitted by clients

<b>Technologies Used</b>	Testing	
<ul> <li>React &amp; React Native</li> <li>Spring Boot, Mapbox</li> <li>MySQL, Gitlab</li> </ul>	<ul><li>Postman</li><li>Mockito</li><li>JUnit</li></ul>	
<ul> <li>Java, Javascript</li> <li>VaCada, Intelliji</li> </ul>	UI Acceptance Testing	



# **Block Diagram**

- vsCode, Intellij
- Postman, JUnit
- **Database Module** Testing

## **Intended Users & Uses**

- Product has many potential applications
- Clients with tasks requiring specific skills
- Workers that match a task's required skill set
- Our use case generally centers around handiwork skills such as:
  - Electrician
  - Plumbing Ο
  - Landscaping Ο



# **Active Task**



### **Standards**

- IEEE Std 1012,

# **Request Status**