What is JamaTrace?

GRAPHICAL REPRESENTATION OF PROJECT DATA & RELATIONS
# Team Organization

## METHODOLOGY
- **AGILE WITH WATERFALL RISK MITIGATION**

### ROLES (SPRING TERM)

<table>
<thead>
<tr>
<th>Role</th>
<th>Team Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Backup</td>
<td>IMAN</td>
</tr>
<tr>
<td>Project Plan</td>
<td>KATHLEEN, RUBEN</td>
</tr>
<tr>
<td>Project Schedule</td>
<td>IMAN, RICARDO</td>
</tr>
<tr>
<td>Requirements Gathering</td>
<td>CHANCE, MICHAEL</td>
</tr>
<tr>
<td>Requirements Decomposition</td>
<td>CHANCE, IMAN, KATHLEEN, MARCUS</td>
</tr>
<tr>
<td>Risks Management</td>
<td>IMAN, MARCUS</td>
</tr>
<tr>
<td>Test Plan</td>
<td>MICHAEL, RUBEN</td>
</tr>
</tbody>
</table>

### ROLES (SUMMER TERM)

<table>
<thead>
<tr>
<th>Role</th>
<th>Team Members</th>
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</thead>
<tbody>
<tr>
<td>Scrum Master (Cyclical)</td>
<td>-</td>
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<tr>
<td>Product Owner</td>
<td>KATHLEEN, MICHAEL</td>
</tr>
<tr>
<td>Technology Advisor</td>
<td>CHANCE</td>
</tr>
<tr>
<td>Developers &amp; Quality Assurance</td>
<td>CHANCE, IMAN, KATHLEEN, MARCUS, MICHAEL, RICARDO, RUBEN</td>
</tr>
</tbody>
</table>
Project Schedule

SPRING TERM
- WATERFALL METHODOLOGY
  - DOCUMENTATION
  - FAMILIARIZATION WITH TECHNOLOGY STACK

SUMMER TERM
- AGILE DEVELOPMENT
  - DOCUMENTATION
  - TESTING
  - FINAL PRESENTATION
Software Architecture

LANGUAGES
- JAVASCRIPT (ES6)
- HTML5
- CSS

FRAMEWORKS & LIBRARIES
- EXPRESS AND D3

VERSION CONTROL
- GIT AND GITHUB

BACKEND
- Vanilla JS

FRONTEND
Requirements & Design

Requirement Breakdown into Stories

Flow of Jamatrace

- User Login (Authentication)
- Project Selection
- Item Hierarchy (Optional)
Requirements & Design

RELATIONSHIP GRAPH (SCALABLE VIEW)

BACKLOG
- AGILE METHODOLOGY
Testing

SOFTWARE VERIFICATION AND VALIDATION

BASED ON REQUIREMENTS DOCUMENT

LOW-LEVEL DOCUMENTATION
  ◦ DIVIDED INTO CASES
  ◦ SPECIFIED SCENARIOS

TEST PLANS DOWNSTREAM FROM REQUIREMENTS

TEST CASES GENERATED FROM REQUIREMENT SPECIFICATIONS

TEST DATA (PROVIDED BY JAMA)

FRAMEWORKS
  ◦ TRAVIS-CI
  ◦ COVERALLS
# Risks

<table>
<thead>
<tr>
<th>POSSIBLE LOSSES</th>
<th>POSSIBLE ALTERCATIONS</th>
<th>OTHER</th>
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</thead>
<tbody>
<tr>
<td>KEY STAFF</td>
<td>REQUIREMENTS</td>
<td>CONFLICT AMONGST TEAM</td>
</tr>
<tr>
<td>WORK</td>
<td>-</td>
<td>IMPLEMENTATION FAILURE</td>
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<tr>
<td>TEAM LEAD</td>
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<tr>
<td>SPONSOR</td>
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<td>-</td>
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