

## C4G VisionaAid Project Scope

Project	Project Members	Version
Vision-Aid Student Training & Tracking System (STATS) V1.0	Phillip Chan Awnish Choudhary David Chun, Primary Contact Derek Winkler Prof. Santosh Vempala, Sponsor	2/8/2022 Revision 1.0- Initial
Technical Contact: Issac Williams		

Justification
To digitize the student training management process for VisionAid, a Non-Government Organization (NGO) that provides training and services for the visually impaired with offices in India and Boston. Currently, program managers (PMs) perform work registering students and tracking progress manually with forms, spreadsheets, and documents. The STATS system will enable more efficient workflows and less duplication of effort.

Scope Description	
In Scope	Must (M), Should (S), Could (C), Won't (W)
<ul style="list-style-type: none"> <li>- Student Application &amp; Profile Form</li> <li>- Instructor Student Progress Form</li> <li>- Equipment Request Check-Out Form</li> <li>- Course List &amp; Preference Integration</li> <li>- Course List Management Portal</li> <li>- Reports Module w/ Basic Descriptive Analytics</li> <li>- Equipment Management Portal</li> <li>- Report Management Portal</li> <li>- C4G Project Portal Website (Not Linked)</li> <li>- OnBoarding Configuration Manager (1st run)</li> <li>- User Management Portal (PM, User Admin)</li> </ul>	<p><b>Must:</b> User management portal, course list management portal, equipment management portal, student profile form</p> <p><b>Should:</b> Equipment request check-out form, instructor student progress form, course list &amp; preference integration</p> <p><b>Could:</b> Student application form, reports management portal</p> <p>Platforms: ReactJS, Python 3.8, CherryPy</p> <p>Database: MySQL</p> <p>Roles: Phillip - Frontend David - Documentation &amp; Testing Derek - Backend Awnish - Backend</p>
Out of Scope	Must (M), Should (S), Could (C), Won't (W)
<ul style="list-style-type: none"> <li>- Infrastructure: Server &amp; MYSQL (Gatech IT)</li> <li>- Analytics &amp; Reports Designer (Future)</li> <li>- GIS Integrated Reporting (Future)</li> <li>- Full Integration with Sharepoint (Future)</li> <li>- Two Factor Authentication Support (Future)</li> </ul>	<p><b>Won't:</b> Advance Analytics &amp; Reporting, GIS integrated reporting, SharePoint integration, multi-factor authentication</p>

Business Objectives
Deliver functioning v1.0 Student Management Systems for Course, Student, Program, and Equipment with project documentations, annotated source code, and product limitations to VisionAid Organization by April 26, 2022 with 5 Milestones.

Project Deliverables
<ul style="list-style-type: none"> <li>- Project Website to host all documentation and source code for future C4G work</li> <li>- Functioning V1.0 Student Training and Tracking System with Source &amp; Documentations via Website Download for Productio</li> <li>- Student Application Management, Equipment Management, Course List Management, Trainer Progress, and Summary Reports</li> <li>- Open Source License to Source Code and Documentation</li> </ul>

Project Exclusions
<ul style="list-style-type: none"> <li>- Ongoing Security and Maintenance of the Production System updates to meet regulatory compliance in the country of operation</li> <li>- Ongoing support of database student data storage</li> </ul>

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### Constraints

- All resources are students at Georgia Tech
- Reliance on infrastructure from Georgia Tech & VisionAid
- On-premises and/or cloud setup

### Assumptions

- All forms used for current workflow areas will be provided by VisionAid before Milestone 2
- All reports used for current workflow areas will be provided by VisionAid before Milestone 2
- GeorgiaTech IT will provide the database (MySQL) and website (HTML) for ongoing project maintenance
- VisionAid will provide infrastructure to bring code into production after UI review (On Cloud)
- Email will be used as unique ID and configuration (ID management including password resets)

### Tentative Milestones

- Milestone 1** (2/15/2022) Week 1: Project Scope SignOff, User Stories, and draft DB Schema
- Milestone 2** (2/22/2022) Week 2: Core Forms (5 Pages)
- Milestone 3** (3/8/2022) Week 4: Core, Student, and Course Modules Delivery
- Milestone 4** (3/22/2022) Week 6: Equipment Management Module
- Milestone 5** (4/5/2022) Week 8: Reporting Module and Portal Delivery
- Milestone 6** (4/26/2022) Week 12: Final Product Delivery to Production & Acceptance. Last Meeting with VisionAid