



PARTICIAN LLC

Project Proposal

Take-A-Part App & Web Platform Suite

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Program: Colorado School of Mines — CSCI 370: Advanced Software Engineering / CS Field Session

Prepared By: Partician LLC

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Company Background

Partician LLC is a Colorado-based startup developing the “Take-A-Part” system — an innovative app and physical product combination that helps users document, organize, and track device components during disassembly, then guides them through reassembly in reverse order. The system uses numbered physical tags and divided trays alongside a mobile/desktop application. The founder also owns and operates 5 Star General Contracting, a high-touch residential remodeling company in Colorado that brings the same commitment to quality, organization, and craftsmanship to all projects. Partician is leveraging AI development tools including Base 44 to accelerate its product development.

Description of Work to Be Done

The project consists of three workstreams:

1. Take-A-Part App

Build the core application where users can photograph and tag device components during disassembly, attach physical numbered tags, add metadata (location within device, purpose, reinstallation notes), and later replay the process in reverse to guide reassembly. The app will:

- Integrate front-end UI designs from Figma
- Leverage Base 44 and other AI tools for smart component recognition and guided workflows
- Include a user community feature for submitting and rating teardown projects
- Support both mobile and web platforms

2. Partician Marketing & Investment Website

Develop a clean, professional website on Webflow (or similar AI-compatible platform) to showcase the Take-A-Part concept, attract investors, and host blog content.

3. 5 Star General Contracting Website

Update the company website on Webflow (or similar platform) with modern branding, service listings, and blog integration.

Desired Skill Sets

- React or similar front-end frameworks
- Node.js or equivalent backend development
- AI/ML integration experience
- Figma-to-code workflow experience
- Basic web development (Webflow or similar)

Students are encouraged to learn new technologies as part of the course.

Preferred Team Size

4 students.

Internship Potential

Yes — there is potential to offer student(s) an internship following the field session.

Work Location

Remote with regular check-in meetings. In-person meetings can be arranged at the School of Mines campus in Golden, Colorado.

Non-Disclosure Agreement (NDA)

All students will be required to sign a non-disclosure agreement (NDA) before the project begins.

Intellectual Property

Students will assign all intellectual property rights arising from this project to Partician LLC.

Additional Information

The founder is available to meet with students weekly, provide mentorship, and attend the final presentation. Necessary tools and access to Figma, Base 44, and other development platforms will be provided.