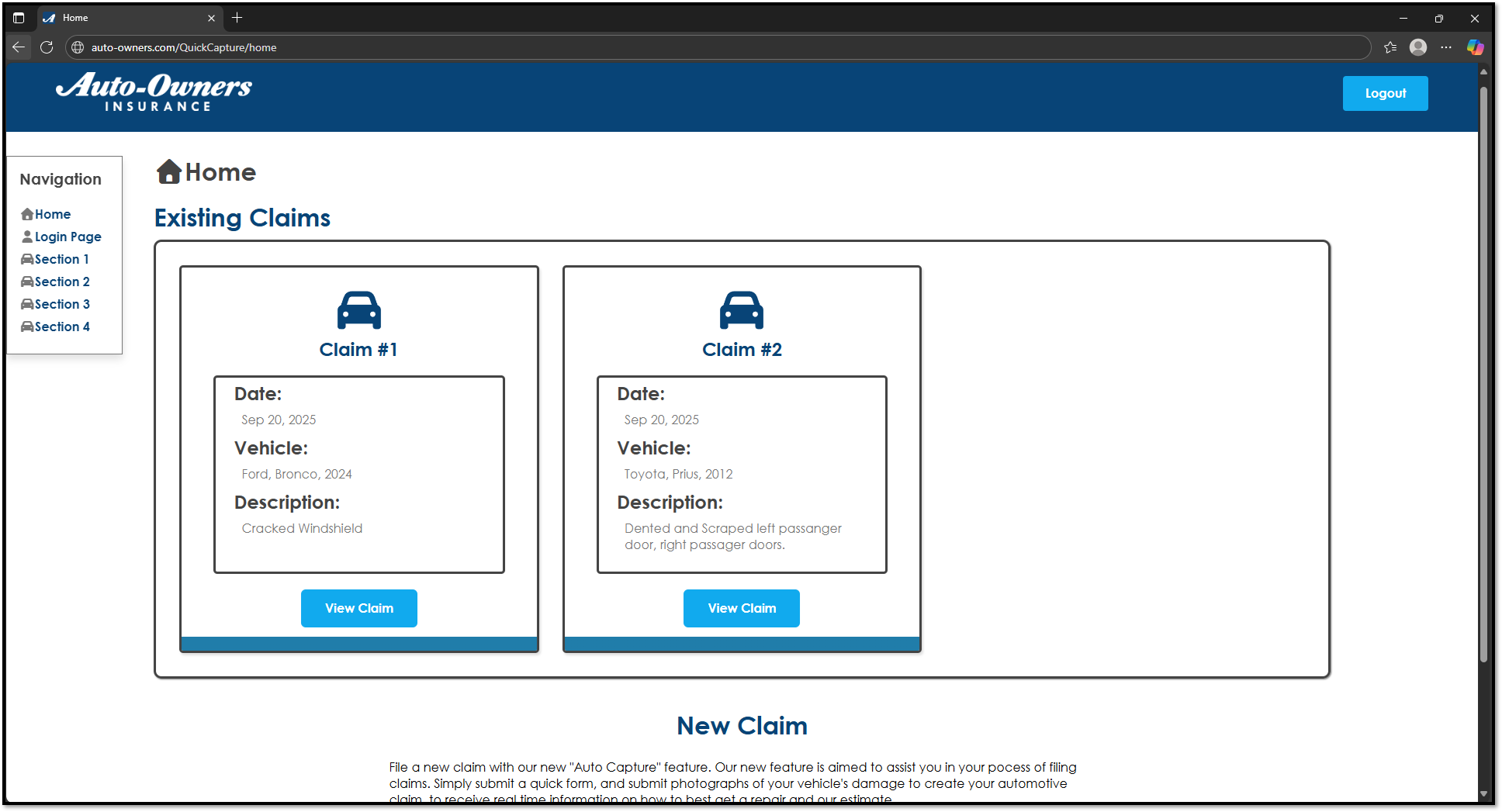
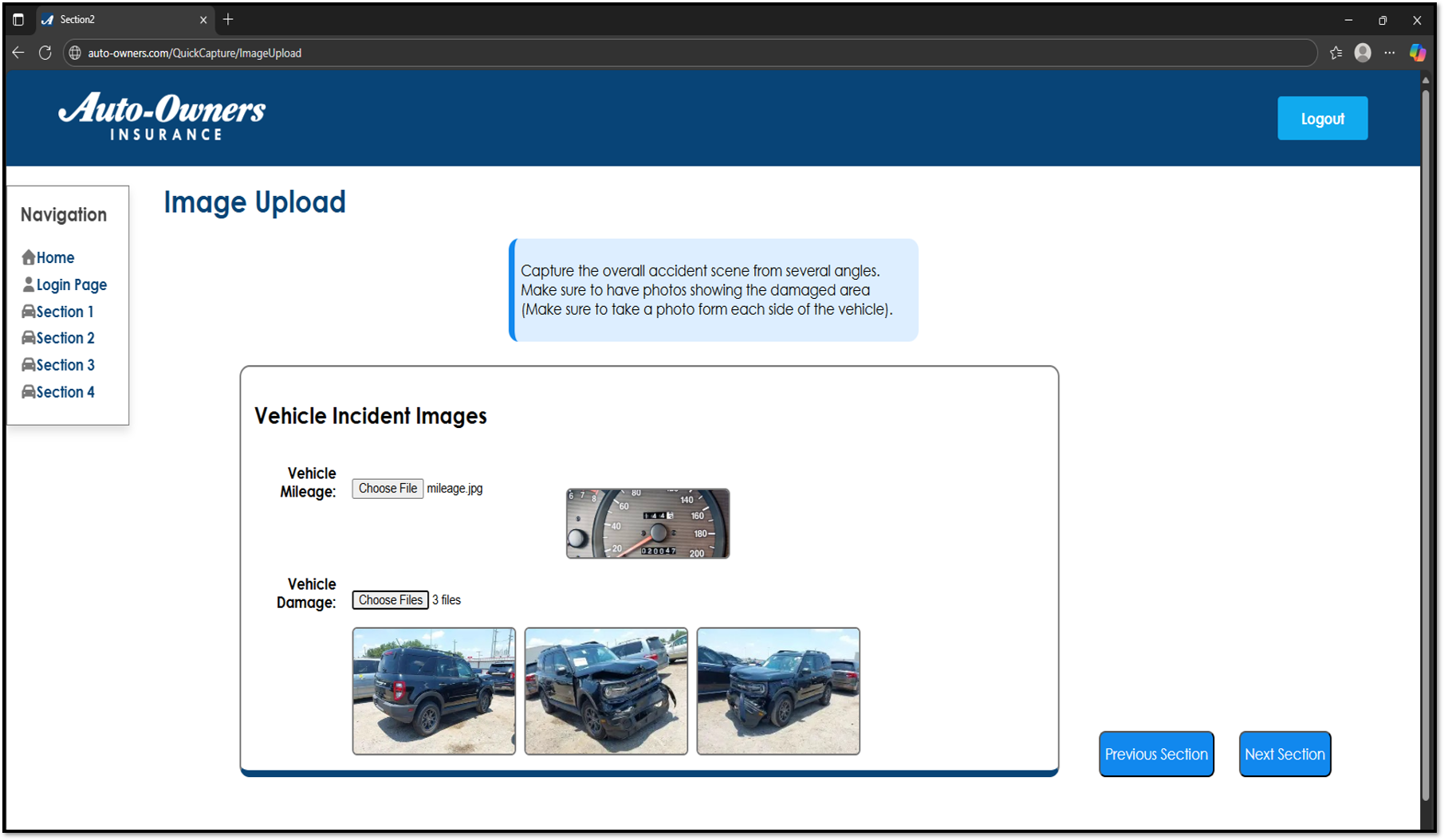
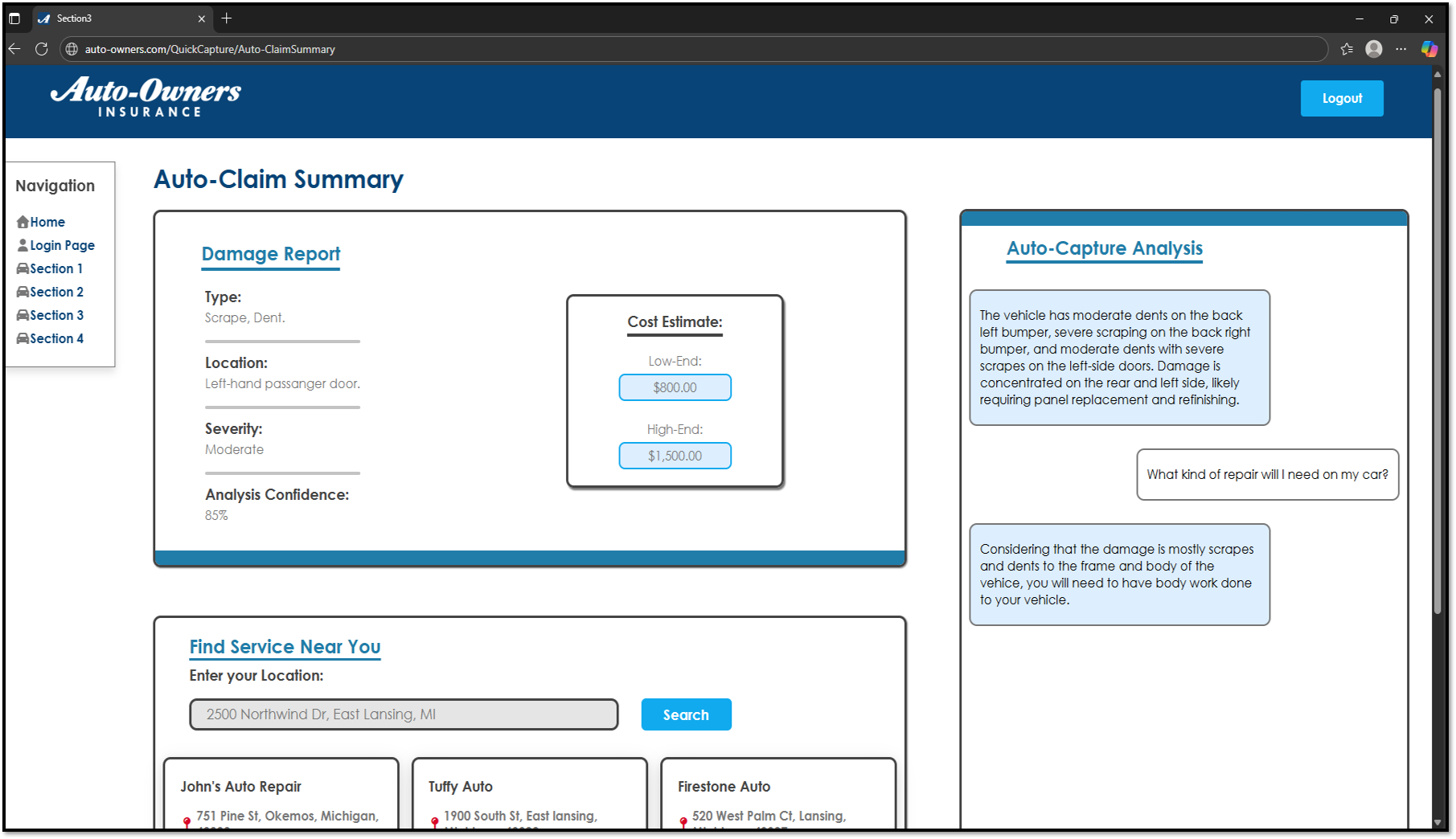
Design Day Booklet Team Page







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Auto-Owners

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Auto-Owners Insurance is a Fortune 500 company that provides automotive, home, life, and commercial insurance to nearly 3 million policyholders in 26 states. Headquartered in Lansing, Michigan, the company is recognized for exceptional financial strength and customer service.

Insurance claims take time, which creates inefficiencies and adds stress for people after a crash. AO Quick Capture speeds up the experience with a simple, step-by-step flow. Instead of waiting days for an adjuster or relying on lengthy phone calls, policyholders get an estimate, repair options, and documentation in minutes.

Policyholders sign in, choose a policy and vehicle, confirm details, and upload photos of the damage. Our software analyzes the images, produces an instant repair estimate, and recommends next steps. It also suggests nearby repair shops and assembles a clear, shareable PDF report for adjusters and shops. A built-in chat assistant answers questions about coverage, documents, and next steps.

Estimates reflect the visible damage in the photos and highlight items that may require an in-person inspection. Shop suggestions factor in distance and availability. The report summarizes the estimate, links the selected shop, and captures the photo set for later review. Results appear in seconds. Policyholders can download the report immediately or access it later.

Our system reduces back-and-forth, sets expectations earlier, and helps people make informed choices the same day as the accident.

Front end uses Angular 18 with HTML, TypeScript, and SASS. Back end uses Spring Boot (Java) with Microsoft SQL Server. Image understanding runs in Python with PyTorch, YOLOv11, and Gemini. Google Maps supplies shop recommendations. The system is containerized with Docker.

3200/3300 Hallway | Third Floor, Computer Science and Engineering 8:00 a.m. – Noon | CSE498

Auto-Owners Insurance

AO Quick Capture