### **Project Roadmap & Timeline**

### **Project: VA Computer Guy Website Redevelopment**

Version: 1.0

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### **1. Project Roadmap Overview**

This roadmap outlines the major phases for the successful redevelopment of the VA Computer Guy website. The project is structured into three primary phases, each with distinct goals and deliverables, ensuring a methodical progression from concept to launch and beyond.

#### **Phase 1: Discovery, Design & Prototyping (Weeks 1-3)**

* **Goal:** Solidify project requirements, establish the visual direction, and create a functional prototype of the user experience.
* **Key Milestones:**
  + Finalize UI/UX wireframes and mockups.
  + Establish the technical architecture and development environment.
  + Gain stakeholder approval on the visual design and user flow.

#### **Phase 2: Development & Integration (Weeks 4-10)**

* **Goal:** Build out all features defined in the SRS, integrate with external APIs, and develop the backend functionalities.
* **Key Milestones:**
  + Frontend development of all pages and components complete.
  + Successful integration with Square API for bookings and payments.
  + Functional Repair Status Tracker with a working technician interface.
  + Content migration and Headless CMS setup complete.
  + Comprehensive testing (unit, integration, and user acceptance).

#### **Phase 3: Launch & Post-Launch (Weeks 11-12 & Ongoing)**

* **Goal:** Deploy the new website to the live environment, monitor performance, and transition to ongoing support.
* **Key Milestones:**
  + Successful deployment of the new website.
  + Implementation of the SEO 301 redirect map.
  + Post-launch monitoring and bug fixing.
  + Hand-off and training for client administrators.

### **2. Detailed Project Timeline**

This timeline breaks down the project into weekly sprints, outlining the primary focus and key tasks for each week.

#### **Phase 1: Discovery, Design & Prototyping**

* **Week 1 (Aug 18 - Aug 22): Kick-off & Foundation**
  + [ ] **Task:** Project kick-off meeting with stakeholders.
  + [ ] **Task:** Set up development environments (Git repo, Vercel/Netlify project).
  + [ ] **Task:** Create low-fidelity wireframes for key pages (Home, Booking, Protection Plans, Repair Status).
  + [ ] **Task:** Finalize branding guidelines and select typography.
* **Week 2 (Aug 25 - Aug 29): UI Design**
  + [ ] **Task:** Develop high-fidelity mockups based on wireframes using Shadcn/UI components as a base.
  + [ ] **Task:** Design the Instant Quote Generator and Repair Status Tracker interfaces.
  + [ ] **Task:** Present initial designs to stakeholders for feedback.
* **Week 3 (Sep 1 - Sep 5): Prototyping & Final Approval**
  + [ ] **Task:** Revise designs based on feedback.
  + [ ] **Task:** Create an interactive prototype (using Figma or similar tool) for the core user journey (Quote -> Booking -> Confirmation).
  + [ ] **Task:** Final stakeholder review and sign-off on the design and UX.
  + [ ] **Task:** Set up Headless CMS (Sanity.io) and define content models.

#### **Phase 2: Development & Integration**

* **Week 4 (Sep 8 - Sep 12): Frontend Scaffolding & Homepage**
  + [ ] **Task:** Initialize Next.js project with TypeScript and Tailwind CSS.
  + [ ] **Task:** Build out the main site layout (Header, Footer, Navigation).
  + [ ] **Task:** Develop the static components of the homepage.
  + [ ] **Task:** Begin development of the Instant Quote Generator (frontend logic).
* **Week 5 (Sep 15 - Sep 19): Core Service Pages & CMS Integration**
  + [ ] **Task:** Build dynamic page templates for Services, About Us, and Blog.
  + [ ] **Task:** Integrate templates with the Headless CMS to pull content.
  + [ ] **Task:** Client begins migrating content into the new CMS.
* **Week 6 (Sep 22 - Sep 26): Square API Integration - Bookings**
  + [ ] **Task:** Develop serverless functions to connect to the Square Appointments API.
  + [ ] **Task:** Build the frontend booking interface (calendar, time slot selection).
  + [ ] **Task:** Connect the frontend to the API to fetch and display real-time availability.
  + [ ] **Task:** Implement the appointment creation logic.
* **Week 7 (Sep 29 - Oct 3): Protection Plans & Subscriptions**
  + [ ] **Task:** Build the Protection Plans page with the interactive comparison table.
  + [ ] **Task:** Integrate with the Square Subscriptions API for plan sign-ups.
  + [ ] **Task:** Develop the upsell module for the booking confirmation page.
* **Week 8 (Oct 6 - Oct 10): Repair Status Tracker**
  + [ ] **Task:** Set up the database (Firestore/Supabase) and the RepairTicket data model.
  + [ ] **Task:** Develop the secure technician interface for updating statuses.
  + [ ] **Task:** Build the public-facing status check page and connect it to the database.
* **Week 9 (Oct 13 - Oct 17): Testing & Quality Assurance**
  + [ ] **Task:** Conduct comprehensive cross-browser and device testing.
  + [ ] **Task:** Perform end-to-end testing of all user flows (Quote, Booking, Status Check).
  + [ ] **Task:** Begin User Acceptance Testing (UAT) with the client.
* **Week 10 (Oct 20 - Oct 24): UAT Feedback & Final Polish**
  + [ ] **Task:** Address all feedback and bugs identified during UAT.
  + [ ] **Task:** Finalize all UI/UX details and implement animations/transitions.
  + [ ] **Task:** Prepare the production environment for launch.

#### **Phase 3: Launch & Post-Launch**

* **Week 11 (Oct 27 - Oct 31): Launch Week**
  + [ ] **Task:** Final content freeze and database migration.
  + [ ] **Task:** Implement the 301 redirect map.
  + [ ] **Task:** **Go-Live:** Point the domain to the new site.
  + [ ] **Task:** Perform post-launch smoke testing to ensure all critical paths are functional.
* **Week 12 (Nov 3 - Nov 7): Monitoring & Hand-off**
  + [ ] **Task:** Monitor site performance, analytics, and error logs.
  + [ ] **Task:** Address any high-priority post-launch bugs.
  + [ ] **Task:** Conduct a training session for staff on using the CMS and the repair status update tool.
  + [ ] **Task:** Deliver final project documentation.