## ****Software Requirements Specification (SRS)****

### ****Desi Cars Website****

### ****1. General Information****

**Project Name:** Car Rental Website (Desi Cars)  
**Customer:** Desi Cars Company  
**Contractor:** backend/frontend – firedotguy; design – Dennis Loboda  
**Document Date:** October 18, 2025  
**Version:** 0.2 (Revised Draft)

### ****2. Project Goal****

To create a modern, visually appealing, and functional public website for **Desi Cars**, providing users with a convenient way to browse the fleet, book cars online, and access all essential company, contact, and policy information.

### ****3. Project Description****

The website will serve as the **main digital presence** of Desi Cars and will allow customers to:

* Learn about the company and its services
* Browse the car fleet and filter by models, years, and fuel types
* Submit a booking request with optional parameters and discounts
* Contact the company through a feedback form

### ****4. Functional Requirements****

1. **Landing Page**
   * Introduction to Desi Cars with a strong call-to-action (“Book Now”, “Choose Your Car”)
   * Background video or banner image (Dallas city, fleet, etc.)
   * Key statistics (clients served, cars in fleet, active rentals)
2. **About / Company Info**
   * Description of company history, mission, and values
   * List of advantages and differentiators
3. **Contacts Page**
   * Address, phone number, email
   * Embedded Google Maps route
   * Links to official social media accounts (Instagram, Facebook, etc.)
4. **Car List / Fleet**
   * Display of all available cars as cards (photo, model, price, key specs)
   * Filter options by model, year, fuel type (hybrid/gasoline), and price range
5. **Car Details Page**
   * Full car view with photos, specifications, and rental price
   * “Book” button for direct booking
6. **Booking Form**
   * Fields: name, phone, email, rental dates, car selection
   * Adjustable parameters (insurance, delivery, discounts) — via sliders
   * Integration with Firebase for form submissions
7. **Feedback Form**
   * Contact form for customer questions, feedback, and inquiries
8. **Privacy & Rental Policy**
   * Company legal documentation and terms of service

### ****5. Non-Functional Requirements****

| **Category** | **Requirement** |
| --- | --- |
| **Performance** | Pages must load in under 2 seconds on broadband |
| **Reliability** | 99% uptime or higher |
| **Security** | HTTPS, form validation, and captcha |
| **Scalability** | Easily extendable with new pages or features |
| **Compatibility** | Fully functional on Chrome, Firefox, Safari, Edge |
| **Responsiveness** | Optimized for both desktop and mobile |
| **Localization** | Support for change town (soon) |

### ****6. User Interface and Design****

* **Main Pages:** Landing, About, Cars, Contacts, Policies
* **Style:** Minimal, modern, elegant — uses Inter font
* **Color Palette:**
  + Orange #EB5E1B
  + White #FFFFFF
  + Dark Gray #141414
* **Branding:** Desi Cars logo appears in both header and footer
* **Mockups:** https://www.figma.com/design/CWPyXYm5H8efdnJQClzsRP/DESI-CARS?node-id=34-4615&p=f&t=yyaLjpbELW4nnM1n-0

### ****7. Architecture and Technologies****

| **Component** | **Technology** |
| --- | --- |
| **Backend** | FastAPI |
| **Frontend** | Jinja2 Templates + Vanilla JS + CSS |
| **Database / Storage** | Firebase (Firestore + Storage) |
| **Hosting** | UltaHost VPS |
| **Domain** | desicars.us |
| **Static Assets** | /app/static (CSS, JS, images, videos) |

### ****8. Implementation Stages****

1. Requirement definition
2. UI/UX design and mockups
3. Development of core pages (Landing, Cars, Booking, Contacts) (current stage)
4. Feature integration (filters, booking logic, feedback form)
5. Testing and optimization
6. Deployment
7. Feedback collection and refinement

### ****9. Timeline****

| **Stage** | **Estimated Period** |
| --- | --- |
| Project start | September 28, 2025 |
| Design & structure | October 18, 2025 |
| MVP release | November 2025 |
| Final launch | December 2025 (estimated) |

### ****10. Acceptance Criteria****

* All pages (Landing, About, Cars, Contacts, Policies) are implemented
* Car list filtering and booking form work as intended
* Form submissions successfully stored in Firebase
* Consistent color scheme and branding across pages
* Website functions on both desktop and mobile
* Passes performance and security validation