
SPACEY USER'S GUIDE

DECEMBER 2019

Documentation

Introduction

SpaceY offers a family of launch vehicles that improves launch reliability and increases access to space. The company was founded on the philosophy that simplicity, reliability and cost effectiveness are closely connected. We approach all elements of launch services with a focus on simplicity to both increase reliability and lower cost. The SpaceY corporate structure is flat and business processes are lean, resulting in fast decision-making and product delivery. SpaceY products are designed to require low-infrastructure facilities with little overhead, while vehicle design teams are co-located with production and quality assurance staff to tighten the critical feedback loop. The result is highly reliable and producible launch vehicles with quality embedded throughout the process.

Product & Technical Specifications

- Database access
- Real-time SQL query capabilities
- Report generation and aggregation
- Multiple Api integration
- Cross platform support

Dependencies

- SQL services
 - Unsplash API
-

Features

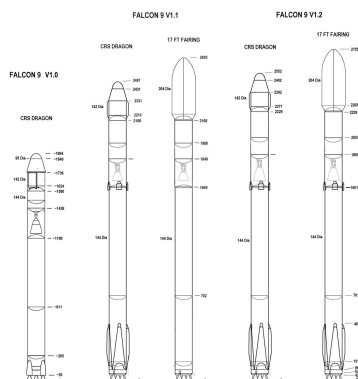
- There is a "user" section in which users can search and filter data using at least three fields
- Users can add items to a shopping cart
- Users can see all items in their cart
- Administrators can login and logout from the system
- Administrators can update content of at least one table
- Administrators can insert new records in at least one table
- Administrators can delete records
- Administrators can generate at least three reports, which use aggregate functions
- Project uses at least two AJAX calls with their corresponding Web APIs

Mock-ups

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Database Schema

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SpaceX Raptor Engine

Scheme from 07.04.2019

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Technical specification

Cycle – FFSC

Propellants – oxygen + methane

Thrust Sea Level – 1993 kN (200 tf)

ISP Sea Level – 3236 N•s/kg (330 s)

CC pressure – 30 MPa

Throttle range – 25...100% thrust

Designed for – Super Heavy, Starship

