

SpaceX Database Management System

Conceptual Schema

24, Nov 2020;

Batch No - 09

Database Conceptual Schema

1. **Rocket** (name: **VARCHAR(20)**, type: **VARCHAR(10)**, stages: **INTEGER**, rocket_id: **VARCHAR(24)**, active: **BOOLEAN**, country: **VARCHAR(40)**, company : **VARCHAR(20)**, cost_per_launch: **INTEGER**);
2. **Payloads** (payload_id: **VARCHAR(24)**, name: **VARCHAR(35)**, type: **VARCHAR(20)**, reuse: **BOOLEAN**, manufacturer: **VARCHAR(10)**, mass_kg: **FLOAT**, mass_lb: **FLOAT**, orbit: **VARCHAR(3)**, reference_system: **VARCHAR(12)**, regime: **VARCHAR(20)**);
3. **Missions** (launch_status: **BOOLEAN**, launch_id: **VARCHAR(24)**, name: **VARCHAR(25)**, date: **DATETIME**);
4. **Launch Pad** (launchpad_id: **VARCHAR(24)**, name: **VARCHAR(20)**, full_name: **VARCHAR(40)**, status: **VARCHAR(20)**, locality: **VARCHAR(30)**, region: **VARCHAR(20)**, timezone: **VARCHAR(30)**, latitude: **FLOAT**, longitude: **FLOAT**);
5. **Drone Ship** (ship_id: **VARCHAR(24)**, home_port: **VARCHAR(30)**, name: **VARCHAR(35)**, type: **VARCHAR(20)**, roles: **VARCHAR(45)**, activity: **BOOLEAN**, mass_kg: **FLOAT**, mass_lb: **FLOAT**);
6. **Administrators** (name: **VARCHAR(25)**, admin_id: **VARCHAR(12)**, password: **VARCHAR(20)** check (LENGTH(password) > 8), access_level: **VARCHAR(10)**);