TABLES	MEMBER 1 150170111 Hakkı Arda Çoha	MEMBER 2 150200039 Beyza Aydeniz	MEMBER 3 150190016 Abdullah Asım Emül	MEMBER 4 150200108 Alp Türkbayrak	MEMBER 5 150140030 Ahmet Metehan Yaman
launches	X				
launch_details	X				
rockets			X		
rocket_details_1		X			
rocket_details_2			X		
rocket_images					
ships					X
ship_details_1				X	
ship_details_2					X
capsules	X				
cores		X			
launchpads			X		
payloads				X	

MAIN TABLES

TABLE 1	*launches*		**TABLE 2**	*launch_details*

NON-KEY COLUMNS

			NON-KEY COLUMNS	
name	*TEXT*		*fairings_reused*	*TEXT*
date	*TEXT*		*fairings_recovery*	*TEXT*
time	*TEXT*		*fairings_recovered*	*TEXT*
rocket_id	*TEXT*		*failure_time*	*INTEGER*
launchpad_id	*TEXT*		*failure_altitude*	*INTEGER*
success	*TEXT*			
failure_reason	*TEXT*			
ship	*TEXT*			
capsules	*TEXT*			

KEY COLUMNS

			KEY COLUMNS	
launch_id	Primary key		*launch_id*	Primary key
rocket_id	*rockets*		*payloads*	*payloads*
launchpad_id	*launchpads*		*core_id*	*cores*

CREATE	*Done*		**CREATE**	*Done*
READ	*Done*		**READ**	*Done*
UPDATE	*Done*		**UPDATE**	*Done*
DELETE	*Done*		**DELETE**	*Done*

EXTRA TABLES

TABLE 3   *capsules*

NON-KEY COLUMNS

serial	*TEXT*
status	*TEXT*
reuse_count	*INTEGER*
water_landings	*INTEGER*
land_landings	*INTEGER*

KEY COLUMNS

capsule_id	Primary key

USER INTERFACE   EXPLANATIONS

TEXT BOXES	*Yes*
TEXT AREAS	*Yes*
CHECK BOXES	*Yes*
RADIO BOXES	*Yes*
SELECTIONS	*Yes*

VALIDATION	*Yes*
SESSIONS	*Yes*

EXTRAS

BLOBS	*Yes*
FILE UPLOADS	*Yes*

CSS	*Bootstrap*
JAVASCRIPT	*Yes*

FLASK	*Flask-Login, Flask-WTF*
PYTHON	*Passlib*

MAIN TABLES

TABLE 1   *rocket_details_1*

NON-KEY COLUMNS
stages   INTEGER
boosters   INTEGER
cost_per_launch   INTEGER
landing_legs_number   INTEGER
landing_legs_material   TEXT
engine_isp_sea_level   INTEGER
engine_isp_vacuum   INTEGER
engine_thrust_sea_level_kN   INTEGER
engine_thrust_sea_level_lbf   INTEGER
engine_thrust_vacuum_kN   INTEGER
engine_thrust_lbf   INTEGER
engine_number   INTEGER
engine_type   TEXT
engine_version   TEXT
engine_layout   TEXT
engine_loss_max   INTEGER
engine_propellant_1   TEXT
engine_propellant_2   TEXT
engine_thrust_to_weight   INTEGER

KEY COLUMNS
rocket_id   Primary key
rocket_id   rockets

CREATE   *Done*
READ   *Done*
UPDATE   *Done*
DELETE   *Done*

EXTRA TABLES

TABLE 2   *cores*

NON-KEY COLUMNS
serial   TEXT
status   TEXT
reuse_count   INTEGER
block   INTEGER
rtls_attempts   INTEGER
rtls_landings   INTEGER
asds_attempts   INTEGER
asds_landings   INTEGER

KEY COLUMNS
core_id   Primary key

USER INTERFACE		***EXPLANATIONS***
TEXT BOXES	*Yes*	
TEXT AREAS	*Yes*	
CHECK BOXES	*Yes*	
RADIO BOXES	*Yes*	
SELECTIONS	*Yes*	
VALIDATION	*Yes*	
SESSIONS	*Yes*	

EXTRAS

BLOBS   *Yes*
FILE UPLOADS   *Yes*

CSS   *Bootstrap*
JAVASCRIPT   *Yes*

FLASK   *Flask-Login, Flask-WTF*
PYTHON   *Passlib*

TABLE 1   *rocket_details_2*

NON-KEY COLUMNS
height_mt   *REAL*
height_ft   *REAL*
diameter_mt   *REAL*
diameter_ft   *REAL*
mass_kg   *INTEGER*
mass_lb   *INTEGER*

KEY COLUMNS
rocket_id   Primary key
rocket_id   *rockets*

CREATE   *Done*
READ   *Done*
UPDATE   *Done*
DELETE   *Done*

EXTRA TABLES

TABLE 2   *rockets*   **TABLE 3**   *launchpads*

NON-KEY COLUMNS   **NON-KEY COLUMNS**
name   *TEXT*   *name*   *TEXT*
type   *TEXT*   *full_name*   *TEXT*
active   *INTEGER*   *status*   *TEXT*
country   *INTEGER*   *locality*   *TEXT*
company   *INTEGER*   *region*   *TEXT*
                                       timezone   *TEXT*
                                       latitude   *NUMERIC*
                                       longitude   *NUMERIC*

KEY COLUMNS   **KEY COLUMNS**
rocket_id   Primary key   *launchpad_id* Primary key

USER INTERFACE   *EXPLANATIONS*

TEXT BOXES   *Yes*
TEXT AREAS   *Yes*
CHECK BOXES   *Yes*
RADIO BOXES   *Yes*
SELECTIONS   *Yes*

VALIDATION   *Yes*
SESSIONS   *Yes*

EXTRAS

BLOBS   *Yes*
FILE UPLOADS   *Yes*

CSS   *Bootstrap*
JAVASCRIPT   *Yes*

FLASK   *Flask-Login, Flask-WTF*
PYTHON   *Passlib*

MAIN TABLES

TABLE 1   *payloads*

NON-KEY COLUMNS
name   *TEXT*
type   *TEXT*
reused   *TEXT*
manufacturers   *TEXT*
mass_kg   *REAL*
mass_lb   *REAL*
orbit   *TEXT*
reference_system   *TEXT*
regime   *TEXT*

KEY COLUMNS
payload_id   Primary key

CREATE   *Done*
READ   *Done*
UPDATE   *Done*
DELETE   *Done*

EXTRA TABLES

TABLE 2   *ship_details_1*

NON-KEY COLUMNS
model   *TEXT*
primary_role   *TEXT*
secondary_role   *TEXT*
imo   *REAL*
mmsi   *REAL*
abs   *REAL*

KEY COLUMNS
ship_id   Primary key
ship_id   Foreign key

CREATE   *Done*
READ   *Done*
UPDATE   *Done*
DELETE   *Done*

USER INTERFACE   *EXPLANATIONS*

TEXT BOXES   *Yes*
TEXT AREAS   *Yes*
CHECK BOXES   *Yes*
RADIO BOXES   *Yes*
SELECTIONS   *Yes*

VALIDATION   *Yes*
SESSIONS   *Yes*

EXTRAS

BLOBS   *Yes*
FILE UPLOADS *Yes*

CSS   *Bootstrap*
JAVASCRIPT   *Yes*

FLASK   *Flask-Login, Flask-WTF*
PYTHON   *Passlib*

MAIN TABLES

TABLE 1   *ships*   **TABLE 2**   *ship_details_2*

NON-KEY COLUMNS   **NON-KEY COLUMNS**
name   *TEXT*   *class_*   *REAL*
type   *TEXT*   *mass_kg*   *REAL*
status   *TEXT*   *mass_lb*   *REAL*
                                     year_built   *REAL*
                                     home_port   *TEXT*

KEY COLUMNS   **KEY COLUMNS**
ship_id   Primary key   *ship_id*   Primary key
ship_id   *ships*   *ship_id*   Foreign key

CREATE   *Done*   **CREATE**   *Done*
READ   *Done*   **READ**   *Done*
UPDATE   *Done*   **UPDATE**   *Done*
DELETE   *Done*   **DELETE**   *Done*

USER INTERFACE   *EXPLANATIONS*

TEXT BOXES   *Yes*
TEXT AREAS   *Yes*
CHECK BOXES   *Yes*
RADIO BOXES   *Yes*
SELECTIONS   *Yes*

VALIDATION   *Yes*
SESSIONS   *Yes*

EXTRAS

BLOBS   *Yes*
FILE UPLOADS   *Yes*

CSS   *Bootstrap*
JAVASCRIPT   *Yes*

FLASK   *Flask-Login, Flask-WTF*
PYTHON   *Passlib*