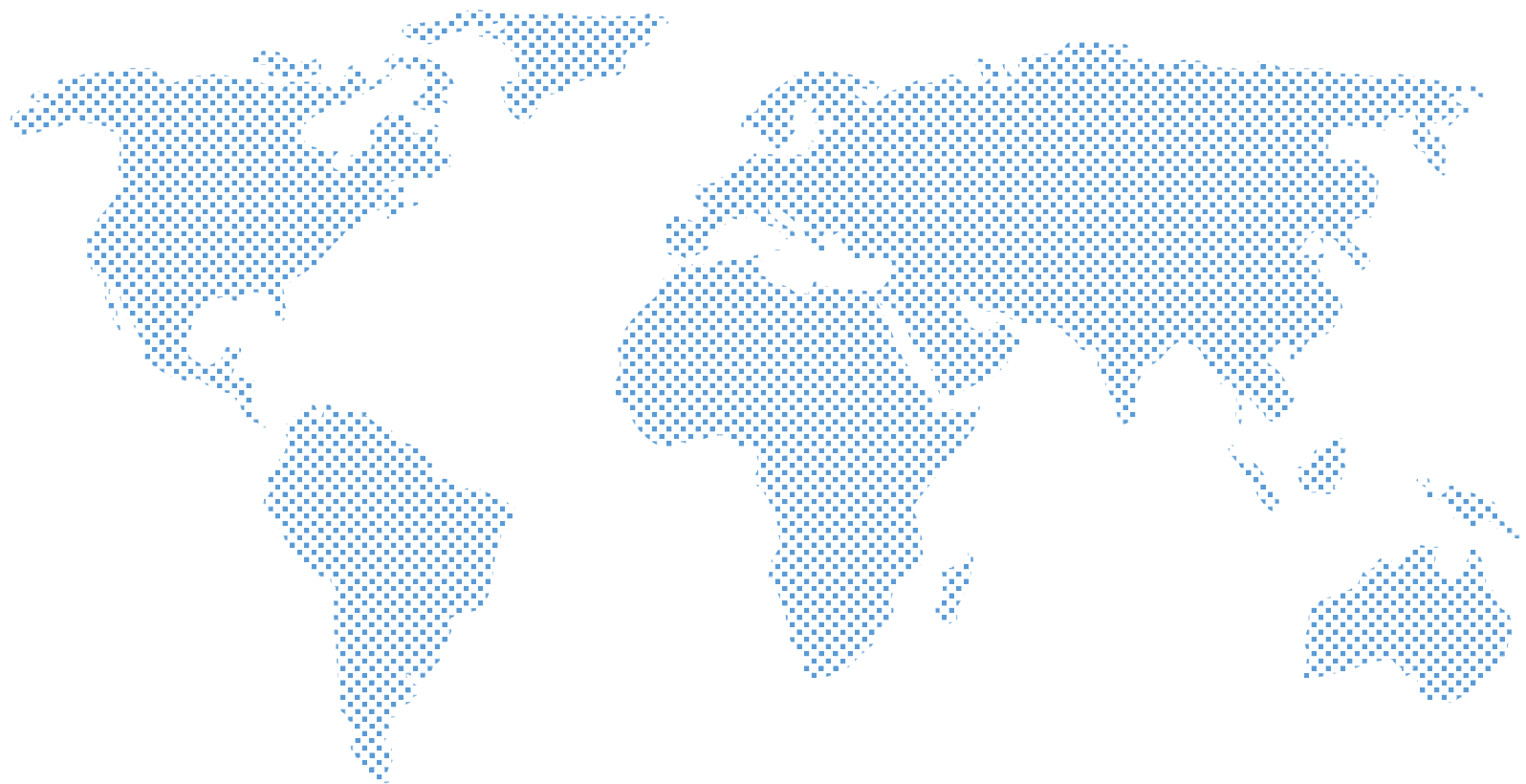# "THE SPACE INITIATIVE"

Launch Management System.

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Project Proposal
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OVERVIEW.

Company Description:

The Space Travel Company is an Indo-Canadian manufacturer and space transport services company headquartered in Winnipeg, Canada. It was founded by Sir Alan Simpson in 2001 with the goal of reducing the space transport costs and to provide an effective launch alternative to the government space organizations. The company launches both commercial and military satellites for its clients. It is the fastest-growing provider of launch services and has over 60 future missions in it's manifest.

Mission Statement.

"To inspire humanity – both on earth and in space"

Project Scope.

The Launch Management System or "The Space Initiative" will be able to provide a better and helpful experience to both customers as well as the employees, thus enhancing the customer experience with a simple web interface being used to display all the available launch slots as well as their location and other details on the various platforms and devices.

The Stakeholders.

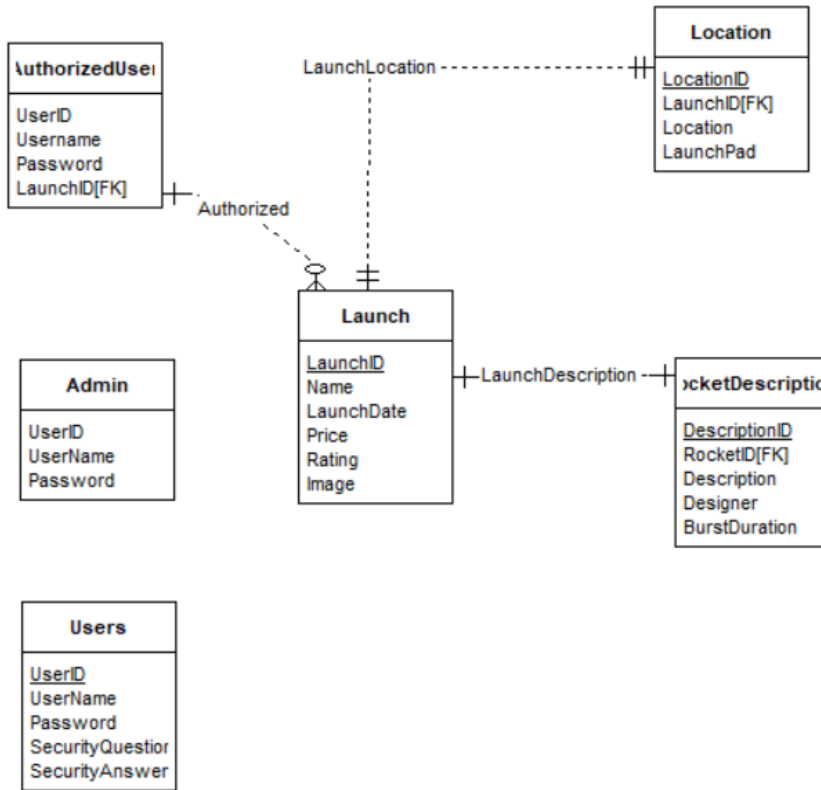*There will be many stakeholders that will benefit from this system:*

Clients: They will be able to view the launch slots, their specifications, and the location of the launch site which makes it easy for them to choose from the wide variety of services provided by the company.

Employees: They will be able to view, add, delete, and update the information about the services and launch including their location, price, and other details.They will be abel to view, edit, delete the comments of the user on the webpage.

Admin: He will be able to do the CRUD tasks and will have full the full control of the data entered and displayed on the database.He, will be able to update and delete the user data from database, Will be able to edit, delete the comments of the non-registered users in the database.

CMS Database Structure.

Deliverable	Description
Rockets	This table will store the basic details of the rockets used like name, price, safety rating, launch images(if any), etc.
Location	This table will include the locations of the launch sites, the rockets may or may not have multiple launch locations.
RocketDescription	This table will store the further details of each rocket like the designers, burst durations, and a brief history of the rocket.
Users	This table will store the information of the registered users(Clients) which will be required to update delete or add new records to the database
AuthorizedUsers	This table will store the information of the authorized users(Employees) who will be able to make limited changes in the database.
Admin	This table will store the information of the Admin who will be able to do CRUD tasks in the CMS.

AuthorizedUser

UserID
Username
Password
LaunchID[FK]

Location

LocationID
LaunchID[FK]
Location
LaunchPad

LaunchLocation

Authorized

Admin

UserID
UserName
Password

Launch

LaunchID
Name
LaunchDate
Price
Rating
Image

LaunchDescription

RocketDescription

DescriptionID
RocketID[FK]
Description
Designer
BurstDuration

Users

UserID
UserName
Password
SecurityQuestion
SecurityAnswer

CMS Database Relationships.

- **LaunchLocation**: This will have a many to zero or one relationship between the rocket and location table as a rocket can be launched on one location and one location can launch many rockets.
- **LaunchDescription**: This will have one to one relationship with the rocket and rocketDescription table as a rocket will have a distinct description from other rockets. One description belongs to only one rocket.