**Program design**

**Program Name: Booking website (Martian Hotel and Casino)**

**Goal of the program: The goal of this website is to provide users with an on-line platform that is both visually appealing, As well as allowing them to view features and make reservation bookings for accommodation in one of the available lodgings. When a user fills in and submits a booking form. The data gets posted to the server and then displayed within a php submit page which can then be extracted and stored in a database for future reference.**

**Features of the program: The website displays various features about the hotel along with guidelines and information that intend to inform and aid potential guests. The site makes use of external and internal links to further enhance distribution of information. Transitions, animation, video, and various visual styling are used to make the hotel more visually appealing. A form is provided that makes it easy for a user to submit personal information. Validation is used to guide a user on correct input format and ensures the quality of submitted data.**  XMLHttpRequest object **POST method is used to send data securely to the server while a GET request will retrieve submitted data and display booking details back to the user. JavaScript is used for event handling, validation, sending and retrieving data, preventing page reload, and adding visual effects to the website.**