

**Birthday Party booking for Kids Report**

**Software Requirement Specification**

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**Ho Chi Minh, Jan 2024**

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| 24/01/2024 | UC16 - View Schedule | A\* | Add UC16 - View Schedule | 1.0 |
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**SIGNATURE PAGE**

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# Introduction

The Kids Birthday Party Booking System is a user-friendly and feature-rich platform designed to facilitate the planning and execution of children's birthday parties. With a focus on providing a seamless and enjoyable experience, this system caters to both parents and event organizers, ensuring that every birthday celebration for their children is a memorable success.

## Purpose

In the contemporary era, the celebration of birthdays for children has evolved beyond traditional household gatherings. The "Birthday Party Booking for Kids" project aims to streamline and enhance the process of organizing and hosting birthday parties for children. This initiative seeks to provide a centralized platform where parents or guardians can effortlessly plan, customize, and book birthday party services tailored to their child's preferences and age.

## Scope

The project encompasses:

* Developing an intuitive online platform for party bookings.
* Collaborating with local vendors, entertainers, and venues.
* Implementing a user-friendly interface that allows customization of party themes, activities, and packages.
* Ensuring safety measures, including venue hygiene and adherence to health guidelines.
* Offering varied options for age-specific parties, from toddlers to pre-teens.
* Facilitating easy payment methods and transparent pricing.

## Definitions, Acronyms, and Abbreviations

* Birthday Party Booking System (BPBS): The digital platform designed to facilitate the booking and management of children's birthday parties.
* Venue Partners: Local establishments or spaces that collaborate with the BPBS to host birthday parties.
* Party Packages: Pre-defined sets of services, activities, and amenities offered by the BPBS.

## References

## Overview

The "Birthday Party Booking for Kids" project emerges from the growing demand for organized, hassle-free birthday celebrations that cater to the unique preferences of each child. With a focus on convenience, customization, and safety, this initiative aims to revolutionize the way birthday parties for kids are planned and executed. By integrating technology, local partnerships, and customer-centric features, the project endeavors to create memorable and enjoyable experiences for children and their families alike.

# Overall Description

This section provides a comprehensive understanding of the factors influencing the Booking Birthday Parties for Kids system.

**1. Product Perspective:**

* The system is an online platform designed for booking and managing kids' birthday parties. It interfaces with users, external payment gateways, calendar services, notification systems, and mapping services. It operates as a standalone application, interacting with external components for enhanced functionality.

**2. Product Functions:**

* The core functions include user account management, party booking, payment processing, calendar integration for scheduling, notification services, and map-based location information. Detailed specifications for these functions are outlined in Section 3.

**3. User Characteristics:**

* The primary users are parents or guardians seeking to book birthday parties for their children. Secondary users include administrators managing bookings and system configurations. The system caters to users with varying levels of technical proficiency.

**4. Constraints:**

* Design constraints encompass the use of Java Spring Boot for the backend, React.js for the frontend, PostgreSQL as the primary database, and integration with specific third-party components. These constraints guide development decisions and ensure compatibility.

**5. Assumptions and Dependencies:**

* The system assumes reliable internet connectivity for users and dependencies on external services, such as payment gateways and mapping services. Assumptions are made regarding user adherence to data entry guidelines and system usage policies.

**6. Requirements Subsets:**

* Section 3 provides detailed requirements, outlining the functional and non-functional aspects necessary for the system's development. These requirements serve as the foundation for the subsequent design and implementation phases.

# FUNCTIONAL Requirements

## Birthday Party Booking For Kids Use Cases Diagram

## Register

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC01 - Register** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 24/02/2024 |
| **Primary Actor:** | Guest | **Secondary Actors:** | N/A |
| **Priority:** | Normal | **Frequency of Use:** | Usually |
| **Trigger:** | Guest accesses the web application for the first time. | | |
| **Description:** | This use case allows the guest to create a new account on the party booking web application. | | |
| **Preconditions:** | The guest must not have an existing account on the web application. | | |
| **Post-conditions:** | The guest successfully registers and gains access to the features available for registered users. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The guest clicks the "Register" option. | The system displays registration form:   * Email (Text: 2-30 characters) * Password (Text: 8-30, characters) * Phone number (Text: 10 characters) * Full name (Text: 2-30 characters) * Gender (Male/Female) * Date of birth (Text: 5-50 characters) | | 2 | The guest fills in required information. | The system validates the provided information.  **[Exception 1]** | | 3 | The guest clicks the “Submit” button of the registration form. | The system creates a new account if information is valid. | | | | |
| **Alternative Flows:** | N/A | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | Invalid information | The system displays the message “Invalid information. Please check again”. | | | | |
| **Business Rules:** | Passwords must meet minimum security requirements.  Each email can only be associated with one account.  Usernames must be unique.  Confirmation email must be sent for account verification.  Guests must agree to terms and conditions during registration. | | |

## Login

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC02 - Login** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 24/02/2024 |
| **Primary Actor:** | Guest | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | Usually |
| **Trigger:** | The Guest wants to access personalized features on the website. | | |
| **Description:** | This use case allows guest to log in to the website using their credentials. | | |
| **Preconditions:** | The website is accessible.  The guest has a registered account. | | |
| **Post-conditions:** | The guest is successfully logged in. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The guest accesses the website. | The system displays the home page. | | 2 | The guest clicks on the "Login” or “Login using Google account instead” button. | The system presents the login page with login form include:  - Username (Text: 5-max characters)  - Password (Password input) | | 3 | The guest enters valid credentials (username and password) and clicks "Login". | If credentials are correct, the system authenticates the Guest. | | | | |
| **Alternative Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The guest accesses the website. | The system displays the home page. | | 2 | The guest clicks on “Login using Google account instead”. | The system displays Google login window | | | | |
| **Exceptions:** | N/A | | |
| **Business Rules:** | Guests must have a registered account to log in.  Usernames and passwords are case-sensitive.  Security measures are in place to protect user data and privacy. | | |

## View User

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC04 - View User** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 02/03/2024 |
| **Primary Actor:** | Admin | **Secondary Actors:** | N/A |
| **Priority:** | Normal | **Frequency of Use:** | Usually |
| **Trigger:** | The admin wants to view or manage all user information in the system. | | |
| **Description:** | This use case outlines the process by which the Admin accesses the list user page. | | |
| **Preconditions:** | The admin accesses the website. The admin logged in to the system with highest authority. | | |
| **Post-conditions:** | The admin views all users in the database. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The admin clicks the “View user” page in the top left corner of the screen. | The system will load to “All users” page with full information of all users in the database (Host/Customer) in the form of a table and the search bar at the top of the page:   * Id (Number: 1-max characters) * Username (Text: 2-30 characters) * Password (Text: 2-max characters) * Role (Host/Customer) * Profile picture (Text: 2-max characters) * Address (Text: 2-100 characters) * Phone number (Number: 2-11 characters) * Full name (Text: 2-30 characters) * Birthday(Date) * Gender(Male/Female) * “Ban User” button * “Create new Host” Button.   **[Exception 1]** | | 2 | The admin clicks to the web logo is at the top in the middle of the screen | System will return to the home page. | | | | |
| **Alternative Flows:** N/A | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | No user in system | System displays message “There are no available user in to display” | | | | |
| **Business Rules:** | The admin should only have access to user information and functionalities that are strictly necessary for their administrative duties. | | |

## Ban User

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC05 - Ban User** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 02/03/2024 |
| **Primary Actor:** | Admin | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | rarely to use |
| **Trigger:** | Admin wants to ban users from violating the regulations. | | |
| **Description:** | This use case outlines the process by which the Admin accesses the list user page and sets a ban on certain users. | | |
| **Preconditions:** | Admin accesses to the website Admin logged in to the system with highest authority | | |
| **Post-conditions:** | Admin views all users in the database. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The admin clicks “View all users” in the top left corner of the screen. | The system will load a website with full information of all users in the database (Host/Customer) in the form of a table and the search bar at the top of the page:   * Id (Number: 1-max characters) * Username (Text: 2-30 characters) * Password (Text: 2-max characters) * Role (Host/Customer) * Profile picture (Text: 2-max characters) * Address (Text: 2-100 characters) * Phone number (Number: 2-11 characters) * Full name (Text: 2-30 characters) * Gender(Male/Female) * “Ban User” button * “Create new Host” Button | | 2 | The admin searches the user's ID that wants to ban. | The system shows the user that matched the Id the admin is looking for.  **[Exception 1]** | | 3 | The admin clicks “Ban User” button | The user will be banned and cannot access certain permissions | | 4 | The admin clicks to the web logo is at the top in the middle of the screen | The system will return to the home page. | | | | |
| **Alternative Flows:** N/A | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | User’s ID is not found in the database. | The system shows tables with empty information fields. | | | | |
| **Business Rules:** | The admin should only have access to user information and functionalities that are strictly necessary for their administrative duties. | | |

## Create Host

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC06 - Create Host** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 02/03/2024 |
| **Primary Actor:** | Admin | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | Sometime |
| **Trigger:** | The admin wants to create a new host. | | |
| **Description:** | This use case allows the admin to access the list user page and creates a new host for the system. | | |
| **Preconditions:** | The admin access to the website. The admin logged in to the system with highest authority. | | |
| **Post-conditions:** | Admin views all users in the database. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The admin clicks the “View all user” button in the top left corner of the screen. | The system will load a website with full information of all users in the database (Host/Customer) in the form of a table and the search bar at the top of the page:   * Id (Number: 1-max characters) * Username (Text: 2-30 characters) * Password (Text: 2-max characters) * Role (Host/Customer) * Profile picture (Text: 2-max characters) * Address (Text: 2-100 characters) * Phone number (Number: 2-11 characters) * Full name (Text: 2-30 characters) * Birthday(Date) * Gender(Male/Female) * “Ban User” button * “Create new Host” Button | | 2 | The admin clicks the “Create new Host” button. | A row is inserted at the top of the table with the default role of host, empty fields for the admin to fill in the host's information and submit button :   * Username (Text: 2-30 characters) * Password (Text: 2-max characters) * Role (Host/Customer) * Profile picture (Text: 2-max characters) * Address (Text: 2-100 characters) * Phone number (Number: 2-11 characters) * Full name (Text: 2-30 characters) * Birthday(Date) * Gender(Male/Female) | | 3 | The admin inputs valid format to all new empty fields and clicks the “submit button”. | New host will be added to the database and shown at the top of the table.  **[Exception 1]**  **[Exception 2]** | | 4 | The admin clicks to the web logo is at the top in the middle of the screen | The system will return to the home page. | | | | |
| **Alternative Flows:** N/A | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | Duplicate username | The system shows message "Cannot create new host because username already exist" | | 2 | Invalid format input | The system shows message "Cannot create new host because invalid format" | | | | |
| **Business Rules:** | The admin should only have access to user information and functionalities that are strictly necessary for their administrative duties. | | |

## View Statistics

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC07 - View Statistics** | | |
| **Created By:** | Nguyen Van Vinh | Date Created: | 17/01/2024 |
| **Primary Actor:** | Admin | Secondary Actors: | N/A |
| **Priority:** | High | Frequency of Use: | Normal |
| **Trigger:** | The admin decides to View Statistics to gain insights into system activities. | | |
| **Description:** | This feature allows the admin to View the statistics of the system including the user's activities, number of orders, content modified histories. | | |
| **Preconditions:** | The admin must be logged into the system.  Sufficient data must be available for generating meaningful statistics. | | |
| **Post-conditions:** | The admin gets the dashboard including the user's activities, number of orders, content modified histories. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The admin logs into the system | The System validates credentials and grants access to the system with “Admin” role. | | 2 | The admin selects the “View Statistics” button. | The System displays the Statistics page include following options:   * User's activities * Number of orders * Content modified histories. | | 3 | The admin selects the type of statistics to be viewed | The System displays statistics following the selected type:   * Chart * Quantity * Image * Content | | | | |
| **Alternative Flows:** | N/A | | |
| **Exceptions:** | N/A | | |
| **Business Rules:** | Statistics should be presented in a clear and understandable format.  Admins are expected to use statistical insights for informed decision-making and system optimization.  Access to certain types of statistics may be restricted based on admin roles and permissions. | | |

## Confirm Request

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC08 - Confirm Request** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 24/02/2024 |
| **Primary Actor:** | Host | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | Usually |
| **Trigger:** | The Host wants to confirm the request from the Customer. | | |
| **Description:** | This feature allows the Host to confirm the request from the customer. | | |
| **Preconditions:** | The Host is logged into system  The party listing the customer is requesting must be created by the host | | |
| **Post-conditions:** | The Host receives confirmation of the success.  The System updates the status of the request and sends it to the customer. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The Host accesses the request page. | The website's request page is displayed. | | 2 | The Host clicks to confirm button in request list | The System updates request status to “confirm” and display message “confirm successful”  **[Exception 1]** | | | | |
| **Alternative Flows:** Not Available | | | |
| **Exceptions:**     |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | Request has the same time with another request | The System does not update request status and displays message “time of this request is conflict with another request” | | | | |
| **Business Rules:** | Confirmation messages should be sent through appropriate communication channels such as email, in-app notifications, or SMS. | | |

## View party

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC09 - View party** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 24/02/2024 |
| **Primary Actor:** | Host | **Secondary Actors:** | Customer |
| **Priority:** | High | **Frequency of Use:** | Usually |
| **Trigger:** | The Host/Customer wants to view the party. | | |
| **Description:** | This use case allows the Host/Customer to view a party, views details such as theme, amenities, and pricing for a potential event. | | |
| **Preconditions:** | The Host/Customer accesses and logs in to the system with the Host/Customer role. | | |
| **Post-conditions:** | The party list is displayed to the Host/Customer. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The Host/Customer clicks on the “View Party” button on the navigation bar. | The System turns into the “View Party” page and displays the party list of the host. | | | | |
| **Alternative Flows:** Not available | | | |
| **Exceptions:** Not available | | | |
| **Business Rules:** | The Host/Customer can only create, edit, or remove parties within the party management system during specified business hours. | | |

## Edit Party’s Information

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC10 - Edit Party’s Information** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 20/02/2024 |
| **Primary Actor:** | Host | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | Often |
| **Trigger:** | The host wants to edit a party. | | |
| **Description:** | This feature allows the host to edit a party, specifying details such as theme and pricing for the party to keep the information accurate and up to date. | | |
| **Preconditions:** | The host accesses and logs in to the system with the Host role.  The host has created at least 1 party before. | | |
| **Post-conditions:** | The party is successfully updated with the new information. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The host clicks on “Edit Party” on the party in the list of parties. | The system switches to the "Edit Party" page and displays a form with the information, include: - Party Name (Text: 2-30 characters) - Description (Text: 5-50 characters) - Schedule (Text: 5-50 characters) - Image, video - Location (Text: 5-50 characters) - Phone number (Text: 11 characters) - Price (Number) | | 2 | The host enters the information that wants to edit and clicks on the “Save” button. | The system verifies and changes the information of the party. Then the system displays the message box "Party has been updated!" and waits for the user to confirm the notification.  **[Exception 1]** | | 3 | The host clicks on the “Yes” button. | The system turns back to the “View Party” page. | | | | |
| **Alternative Flows:** | Not available | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | Invalid information | The system displays the message “Invalid information. Please check again”. | | | | |
| **Business Rules:** | Only the host can edit parties.  Uploaded images must be less than 5 mb and videos must be less than 25 mb. | | |

## Remove Party

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC11 - Remove Party** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 25/02/2024 |
| **Primary Actor:** | Host | **Secondary Actors:** | N/A |
| **Priority:** | Medium | **Frequency of Use:** | Often |
| **Trigger:** | The host wants to remove an unnecessary party. | | |
| **Description:** | This use case allows the host to delete a party that is no longer needed or relevant. | | |
| **Preconditions:** | The host accesses and logs in to the system with the Host role.  The host has created at least one party. | | |
| **Post-conditions:** | The party is successfully removed from the system and is no longer visible to guests. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The host clicks on the “View Party” button on the navigation bar. | The system turns into the “View Party” page and displays the party list of the host. | | 2 | The host clicks on the "Remove Party" button of the party that the host wants to delete. | The system shows the pop-up “Remove Party?” and waits for the host's confirmation. | | 3 | The host clicks on the “Yes” button. | The system deletes the party and shows the pop-up message: “The party has been deleted”.  **[Exception 1]** | | 4 | The host clicks on the “Close” button on the pop-up message. | The system updates the party list and refresh page. | | | | |
| **Alternative Flows:** Not available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | The party is currently being ordered. | The system displays the message “Party is currently being ordered. You can’t delete this party!”. | | | | |
| **Business Rules:** | The party listing the host wants to remove must be created by them.  The host can only delete a party when the party is not being booked by any customers. | | |

## Create Party

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC12 - Create Party** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 10/02/2024 |
| **Primary Actor:** | Host | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | Usually |
| **Trigger:** | The host wants to create a new party. | | |
| **Description:** | This feature allows Host to create a new party, specifying details such as theme, amenities, and pricing for a potential event. | | |
| **Preconditions:** | The host accesses and logs in to the system with the Host role. | | |
| **Post-conditions:** | A new party is added to the system. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The host clicks on the “View Party” button on the navigation bar. | The system turns into the “View Party” page and displays the party list of the host. | | 2 | The host clicks on “Create Party” at the beginning of the party list. | The system switches to the "Create Party" page and displays a form for the host to enter the necessary information, include:  - Party Name (Text: 2-30 characters) - Description (Text: 5-50 characters) - Schedule (Text: 5-50 characters) - Image, video - Location (Text: 5-50 characters) - Phone number (Text: 11 characters) - Price (Number) | | 3 | The host enters the necessary information and clicks on the “Create” button. | The system verifies information and creates the party. Then the system displays the message box "Party has been added!" and wait for the host to confirm the notification.  **[Exception 1]** | | 4 | The host clicks on the “Confirm” button on the message box. | The system turns back to the “View Party”. | | | | |
| **Alternative Flows:** Not available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | Invalid information | The system displays the message “Invalid information. Please check again”. | | | | |
| **Business Rules:** | Only the host can create parties.  Uploaded images must be less than 5 mb and videos must be less than 25 mb. | | |

## Edit profile

|  |  |  |  |
| --- | --- | --- | --- |
| ***ID and Name:*** | **UC13 - Edit profile** | | |
| **Created By:** | Nguyen Van Vinh | Date Created: | 17/01/2024 |
| **Primary Actor:** | Host, Customer | Secondary Actors: | N/A |
| **Priority:** | High | Frequency of Use: | Sometime |
| **Trigger:** | The host/Customer wants to update information incorrectly or change some information that is no longer suitable. | | |
| **Description:** | This use case allows the host and the customer to change their own profile information, such as: Name, phone, email, gender, date of birth, password. | | |
| **Preconditions:** | The host and the customer access and log into the website. | | |
| **Post-conditions:** | New information will be updated. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The host/customer moves the mouse to the profile picture in the upper right corner of the screen. | The system will show the list options to choose:   * Edit profile * View feedback (Host view) * Logout | | 2 | The host/customer clicks “Edit profile” option | The system will turn into “Edit profile” page and show customer/host information form that they can edit:   * Name (Text: 2-30 characters) * Phone (Text: 10 character) * Email (Text: 10-40 character) * Gender (Checkbox) * Date of birth (Date) * Password (Text: 2-30 characters) | | 3 | The host/customer provides the necessary information that they want to edit and click the “Submit” button. | The system will validate the information and display the message “Do you want to save all information after a change?”:   * Yes * No   **[Exception 1]**  **[Exception 2]** | | 4 | The host/customer chooses “  Yes”. | The system will load the message “New information updated” and save new information to the database. Then, system will refresh the page.  **[Exception 3]** | | 5 | The host/customer clicks to the web logo is at the top in the middle of the screen | The system will return to the home page. | | | | |
| **Alternative Flows:** Not Available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | Invalid Information Format | The system displays an error message “Wrong format !!!” | | 2 | Duplicate Information | The system displays an error message “New information cannot overlap with old information” | | 3 | The host/customer chooses “No”. | The system will load the message “You new information not updated” and The system will refresh the page. | | | | |
| **Business Rules:** | Update information must follow the specified format.  Only designated administrators can modify certain sensitive profile fields. | | |

## View Feedback

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC14 - View Feedback** | | |
| **Created By:** | Pham Hoang Minh Khoi | Date Created: | 20/01/2024 |
| **Primary Actor:** | Host | Secondary Actors: | N/A |
| **Priority:** | Low | Frequency of Use: | Sometime |
| **Trigger:** | The host wants to view feedback provided by users. | | |
| **Description:** | This feature allows the host to access and view feedback submitted by users after using hosts services. | | |
| **Preconditions:** | The host accesses the website and logs in to the system.  The system must have feedback from users for the host. | | |
| **Post-conditions:** | The system displays the feedback from users for the host. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The host moves the mouse to the profile picture in the upper right corner of the screen. | The system will show the list options to choose:   * Edit profile * View feedback * Logout | | 2 | Select “View feedback” option. | The system loads to the feedback page and displays all customer’s feedbacks into a specific list:   * Name of user given feedback (Text: 2-30 characters) * Time and date of feedback (Date) * Feedback content(Text: 2-max characters)   **[Exception 1]** | | 3 | The host clicks to the web logo is at the top in the middle of the screen | System will return to the home page. | | | | |
| **Alternative Flows:** Not Available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | No feedback available | The system displays a message “There is no feedback from users” | | | | |
| **Business Rules:** | Feedback should be displayed in a clear and organized manner.  Only designated administrators can modify or delete feedback entries. | | |

## Add party to cart

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC15 - Add party to cart** | | |
| **Created By:** | Nguyen Van Vinh | Date Created: | 17/01/2024 |
| **Primary Actor:** | Customer | Secondary Actors: | N/A |
| **Priority:** | High | Frequency of Use: | Usually |
| **Trigger:** | The customer wants to choose a birthday party. | | |
| **Description:** | This use case allows customers to choose a party. | | |
| **Preconditions:** | The system has at least one party in the system. | | |
| **Post-conditions:** | The system adds the party in the user order. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The Customer clicks on the “view party” button on the navigation bar. | The System displays the list of parties :  - Party Name (Text: 2-30 characters) - Description (Text: 5-50 characters) - Schedule(Text: 5-50 characters) - Image, video - Location(Text: 5-50 characters) - Phone number(Text: 11 characters) - Price (Number) | | 2 | The Customer selects "Choose Party" | The System adds a party to the order list. | | | | |
| **Alternative Flows:** N/A | | | |
| **Exceptions:** N/A | | | |
| **Business Rules:** | The System specifies available time slots for booking to manage the schedule efficiently. | | |

## View Schedule

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC16 - View Schedule** | | |
| **Created By:** | Nguyen Van Vinh | Date Created: | 24/01/2024 |
| **Primary Actor:** | Customer | Secondary Actors: | N/A |
| **Priority:** | High | Frequency of Use: | Usually |
| **Trigger:** | The Customer wants to view the schedule. | | |
| **Description:** | This use case allow user to view schedule | | |
| **Preconditions:** | The Customer has successfully logged into the website using valid credentials.  The Customer possesses the necessary permissions to view schedule details. | | |
| **Post-conditions:** | The Customer accesses the "View Schedule" feature.  The system displays detailed schedule information to the user, including: appointments, events, or tasks within the specified date or time range. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The Customer clicks the “view schedule” button on the navigation bar. | The System switches to the “View Schedule” page and displays the option box to choose the specific time to check:   * by day * by week * by month | | 2 | The Customer chooses a specific time on the option box to check. | The System displays list party on timeframe customer select :  - Party Name (Text: 2-30 characters) - Description(Text: 5-50 characters) - Time (Datetime) - Location (Text: 2-30 characters) - Phone number(Text: 10 characters) - Price(Number)  **[Exception 1]** | | | | |
| **Alternative Flows:** Not Available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The Customer requests a schedule that doesn't exist | The System Display error message: "The requested schedule does not exist." | | | | |
| **Business Rules:** | The schedule data should be up-to-date and available for viewing.  The schedule should be presented in a clear and understandable format for the user. | | |

## Book party

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC17 - Book party** | | |
| **Created By:** | Nguyen Van Vinh | **Date Created:** | 17/01/2024 |
| **Primary Actor:** | Customer | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | Usually |
| **Trigger:** | The customer wants to book a party from the system. | | |
| **Description:** | This feature allows customers to submit a request for a birthday party booking. The system validates the request, checks availability, and prompts the user for necessary information. | | |
| **Preconditions:** | The customer logged into their account.  The party must be available.  The party date must be on the party schedule. | | |
| **Post-conditions:** | The system processes the booking request.  The customer receives a confirmation of their booking. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The customer selects the available party. | The system shows the party information:   * Party (Text: 5-50 characters) * Decorative theme (Text: 5-50 characters) * Address (Text: 5-50 characters) * Schedule (Date) * Price (Number)   **[Exception 1]** | | 2 | The customer clicks “Choose This Party” button | The system turns into “Request Page” and asks the user to provide booking information:   * Name (Text: 2-30 characters) * Phone (Text: 10 character) * Email (Text: 10-40 character) * Children’s name (Text: 2-30 characters) * Children’s gender (Checkbox) * Date of birth (Date) * Party date (Date) | | 3 | The customer provides information and clicks on “Send Request” | The system verifies the information and generates the booking. Then, the system shows the message “The booking has been sent to the host and is waiting to be confirmed by the host”. Then, the system switches to the home page.  **[Exception 2]** | | | | |
| **Alternative Flows:** Not available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | The party is not available. | The system informs “Party is not available, please choose another party” | | 2 | Invalid information | The system displays the message “Invalid information. Please check again”. | | | | |
| **Business Rules:** | A booking request is considered confirmed only after successful validation of the requested date and time slot by the system.  If booking as a guest, customers must provide accurate contact information for communication and confirmation purposes. | | |

## Checkout

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC18 - Checkout** | | |
| **Created By:** | Pham Hoang Minh Khoi | **Date Created:** | 24/01/2024 |
| **Primary Actor:** | Customer | **Secondary Actors:** | N/A |
| **Priority:** | High | **Frequency of Use:** | Usually |
| **Trigger:** | The customer wants to pay and receive an invoice for the requested birthday party. | | |
| **Description:** | This feature allows customers to pay and receive an invoice for a requested party. | | |
| **Preconditions:** | The booking request has been sent to the server and has been confirmed by the host. | | |
| **Post-conditions:** | The customer successfully pays the full amount of the party and receives an invoice via website and email. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The customer clicks on “Order” on the navigation bar. | The system turns into the “Order” page and displays the order list of the customer. | | 2 | The customer clicks on the order that wants to checkout. | The system displays the requested information such as:   * Name (Text: 2-30 characters) * Phone (Text: 10 character) * Email (Text: 10-40 character) * Children’s name (Text: 2-30 characters) * Gender (Checkbox) * Date of birth (Date) * Party date (Date) * Price (Number) | | 3 | The customer clicks on the “Checkout” button. | The system displays a “Checkout” pop-up and asks the customer to choose the payment method. | | 4 | The customer chooses the payment method in the dropdown list and proceeds to pay for the party. | The system checks payment and displays invoice to customers. At the same time, the system sends invoices via customer email. The invoice including information:   * Name (Text: 2-30 characters) * Phone (Text: 10 character) * Email (Text: 10-40 character) * Children’s name (Text: 2-30 characters) * Gender (Checkbox) * Date of birth (Date) * Party date (Date) * Price (Number)   **[Exception 1]** | | 5 | The customer clicks on the “Confirm” button at the end of the invoice. | The system turns back to the home page. | | | | |
| **Alternative Flows:** Not available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | Payment failed | The system displays message “Payment failed. Please checkout again”. | | | | |
| **Business Rules:** | The customer can only pay for confirmed requests.  Invoice is only sent after the customer makes a successful payment. | | |

## Feedback

|  |  |  |  |
| --- | --- | --- | --- |
| **ID and Name:** | **UC-19 Feedback** | | |
| **Created By:** | Pham Hoang Minh Khoi | Date Created: | 01/02/2024 |
| **Primary Actor:** | Customer | Secondary Actors: | N/A |
| **Priority:** | Medium | Frequency of Use: | Sometime |
| **Trigger:** | The Users want to provide feedback based on their experience with a party. | | |
| **Description:** | This feature allows Customer provides Feedback, so that Customer can rating and feedback Customer’s experience. | | |
| **Preconditions:** | The User logged into the system.  The User experiences a complete party. | | |
| **Post-conditions:** | The System receives and sends feedback to the host.  The Host receives feedback from the customer. | | |
| **Normal Flow:**   |  |  |  | | --- | --- | --- | | No. | Actor Action | System Response | | 1 | The Customer clicks on the “Order ” button on the navigation bar. | The System turns into the “Order” page and displays the order list of the customer. | | 2 | The Customer clicks on the “feedback” text box in the Order that has been completed. | The System displays the feedback form include the information:   * Rating (Number: 1-5) * Description (Text: 5-50 characters)   **[Exception 1]** | | 3 | The Customer types in “feedback” form and clicks on the “submit” button. | The System generates and sends feedback to the host. The system turns back to the home page. | | | | |
| **Alternative Flows:** Not Available | | | |
| **Exceptions:**   |  |  |  | | --- | --- | --- | | No. | Cause | System Response | | 1 | The Customer Invalid feedback information | The System displays the message “Invalid feedback information”. Please check again. | | | | |
| **Business Rules:** | The Feedback should be categorized, analyzed, and used to inform party improvements. | | |

# NON-FUNCTIONAL Requirements

## Usability

* All text, label and message should be uniformly written in both Vietnamese and English.
* The application should be friendly and easy for the customer and guest to use without training.
* The web application for the admin and host should require no more than 2 days of training of use.

## Reliability

* **Availability:** The website should have an uptime of 99.99% during peak usage hours.
* **Planned Maintenance:** Users should be notified 2 days in advance of any scheduled maintenance performed during low-traffic periods.
* **Mean Time Between Failures (MTBF):** The website should function without major issues for extended periods (around 5,000 hours). Critical functions like product visualization and online ordering should have an even higher MTBF (around 7,500 hours).
* **Mean Time To Repair (MTTR):** The goal is to fix any problems within 2 hours, with some features potentially experiencing minor slowdowns but not complete outages.

## Performance

* **Response Time:**
  + Search and booking transactions: Maximum response time of 400 milliseconds.
  + Login transactions: Minimum response time of 200 milliseconds.
* **Capacity:** The website should be able to support 10,000 concurrent users.
* **Resource Utilization:**
  + Memory: Maximum usage of 5 GB.
  + Disk: Minimum available space of 100 GB.
  + Network Bandwidth: Minimum bandwidth of 10 Mbps.