

Topic : **Wild-life Safari Trip Management System**

Group no : **MLB\_10.02\_02**

Campus : **Malabe**

Submission Date:

We declare that this is our own work, and this Assignment does not incorporate without acknowledgment, any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

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# Description of the requirements

* All the users can view the website, make donations, check availability, check packages, and check the FAQ section.
* Any visitor can register for the website by providing a name, username, address, password, date of birth, phone number, gender, email, and salutation.
* After registering, the system member can log in using his username and password.
* Registered users can make donations. Members can use different payment methods for donations, such as PayPal, credit card, debit card, and bank deposits.
* Registered users can check packages and make a reservation request. For reservation requests, the user must provide the name, address, country, date needed to be reserved, phone no, email, number of adults and children, and the selected package. If they want, customers can also cancel their reservation requests.
* Registered users can make inquiries by providing phone numbers and email.
* Registered users can give feedback about their wild trips.
* Registered users can view, delete, or edit their profiles.
* The tour guide can log in to the system by entering login credentials and can check/reply to customer inquiries.
* Administrator login into the website by providing a username and password
* The administrator can approve or decline the reservations.
* Administrators can activate and deactivate user accounts.
* The administrator can update safari details.
* The administrator can approve or reject feedback from members.
* Managers can generate Donation reports, Reservations reports and Hotel booking reports.
* Manager can manage Donations and salaries of employee

(The only payment on this site is donations. Payment for reservations is made after the confirmation. Those reservation transactions go directly to the bank)

# Classes Identified

* User
* Donation
* Reservation
* Package
* Feedback
* Reports
* Administrator (inherited from the user)
* Manager (inherited from the user)
* Registered user (inherited from the user)
* Tour Guide (inherited from the user)
* Card (inherited from Donations)

# CRC card

|  |  |
| --- | --- |
| **User** |  |
| **Responsibilities:** | **Collaboration:** |
| Log in to the system |  |
| Validate user |  |
| Donate | Donation |
| Check packages | Packages |
| Check FAQ |  |
| Check availabilities | Package |

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| **Donation** |  |
| **Responsibilities:** | **Collaboration:** |
| Store donation details |  |
| Validate payment |  |
| Show donation details |  |

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| **Reservation** |  |
| **Responsibilities:** | **Collaboration:** |
| Store reservation details |  |
| Show reservation details |  |
| Get package ID | Package |

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| **Packages** |  |
| **Responsibilities:** | **Collaboration:** |
| Store package details |  |
| Show package details |  |
| Show availability |  |

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| **Inquiry** |  |
| **Responsibilities:** | **Collaboration:** |
| Store details about inquiry |  |
| Show inquiry |  |

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| **Feedback** |  |
| **Responsibilities:** | **Collaboration:** |
| Store details about Feedback |  |
| Show approved feedbacks |  |

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| **Report** |  |
| **Responsibilities:** | **Collaboration:** |
| Generate reports about donations | Donation |
| Generate reports of accepted reservations | Reservation |
| Generate reports of cancelled reservations |
| Generate reports about packages | Packages |

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| **Registered User** |  |
| **Responsibilities:** | **Collaboration:** |
| Store customer details |  |
| Make a reservation request | Reservation |
| Cancel reservation request | Reservation |
| Make inquires | Inquires |
| Give feedback | feedback |
| Manage profile |  |

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| **Administrator** |  |
| **Responsibilities:** | **Collaboration:** |
| Store details about administrator |  |
| Approve reservation | Reservation |
| Decline reservation | Reservation |
| Manage member accounts | Registered User |
| Update safari details |  |
| Manage feedbacks | Feedback |

|  |  |
| --- | --- |
| **Manager** |  |
| **Responsibilities:** | **Collaboration:** |
| Store details about manager |  |
| Generate reports | Report |
| Manage Donations | Donation |

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| --- | --- |
| **Tour Guide** |  |
| **Responsibilities:** | **Collaboration:** |
| Store details about tour guide |  |
| Check inquires | Inquires |
| Reply to inquires | Inquires |

|  |  |
| --- | --- |
| **Card** |  |
| **Responsibilities:** | **Collaboration:** |
| Authorized the card |  |

# Class diagram

Diagram

Description automatically generated

# Coding for the classes