

**FINAL EXAM PROJECT
WEB DESIGN AND DEVELOPMENT
(IS556-F)**

Lecturer:
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Group E : Wanderlust

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INFORMATION SYSTEMS STUDY PROGRAM

FACULTY OF ENGINEERING AND INFORMATICS

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1. Project title/ web application name and description of the web application:

Answer:

Web Application Name:

Tour Destination – Wanderlust

Description of the web application:

Wanderlust is a travel destination website designed to facilitate travelers in finding information and recommendations for interesting tourist destinations in various regions. With a user-friendly interface and intuitive navigation, Wanderlust provides a pleasant experience in exploring various tourist destinations in Indonesia.

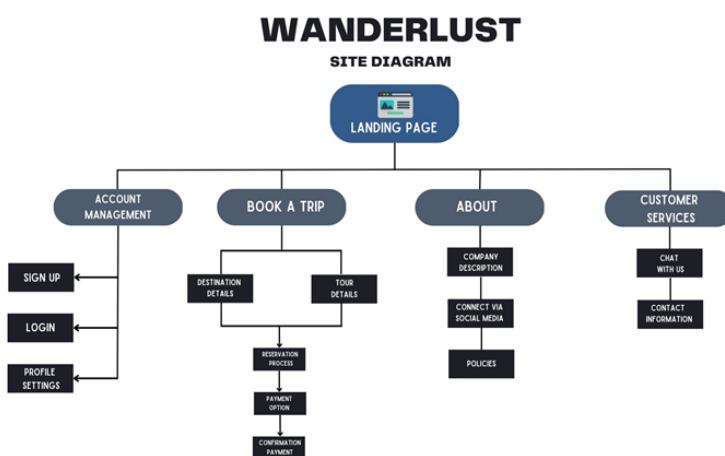
Through Wanderlust, users can easily find tourist attractions according to their preferences and needs. The website provides various features that allow users to search for tourist destinations based on location, theme, activities, or desired type of tourism. This way, travelers can find destinations that align with their interests, whether it's nature, culture, or history tourism.

Furthermore, Wanderlust also provides comprehensive information about each tourist destination, including descriptions, captivating photos, available facilities, and reviews from previous visitors. This helps users make informed decisions when choosing the tourist destinations they want to visit.

Wanderlust helps users in booking memorable tours. Users can book tour tickets more easily and quickly, and also get a unique experience compared to other destination tour sites or agencies. Because Wanderlust provides an easier and more practical ticket booking system for users in determining their destination. So, users can enjoy vacations easily, securely, and guaranteed.

2. The new or revised design of the web application, includes:

a. Site Diagram



Explanation :

The Site Diagram above is an illustration of the combined structure of the pages on the Wanderlust website. Site Diagrams are used to visualize how users might interact with the Wanderlust website.

ACCOUNT MANAGEMENT

- When a user opens the Wanderlust website, the first thing that will appear is the landing page.
- On the Landing page, users can see what content is on the Wanderlust website, but users cannot order destinations or tour packages on the Wanderlust website.
- If the user wants to order a destination ticket or tour package, the user is expected to Create an Account first (Sign Up), if he already has an account before, the user can directly enter the email and password that was used when creating the account (Login).
- If an error occurs when entering personal data, on the Profile Settings page, the user can change the previous data to the latest data.

BOOK A TRIP

- Users can see the details of the Travel Destinations and details of the Tours they want to order on the Book a Trip page.
- If you have clicked on booking a destination or tour package which you want to visit, the user will be directed to the Reservation Process page.
- On the Reservation Process page, the user must fill in personal data, date of order, and selection of payment method on the Payment Options page.
- If the payment selection has been made, the user will confirm whether the user really wants to place an order or not.
- If you have confirmed on the Payment Confirmation page, Wanderlust will provide proof of ticket orders via the user's email.

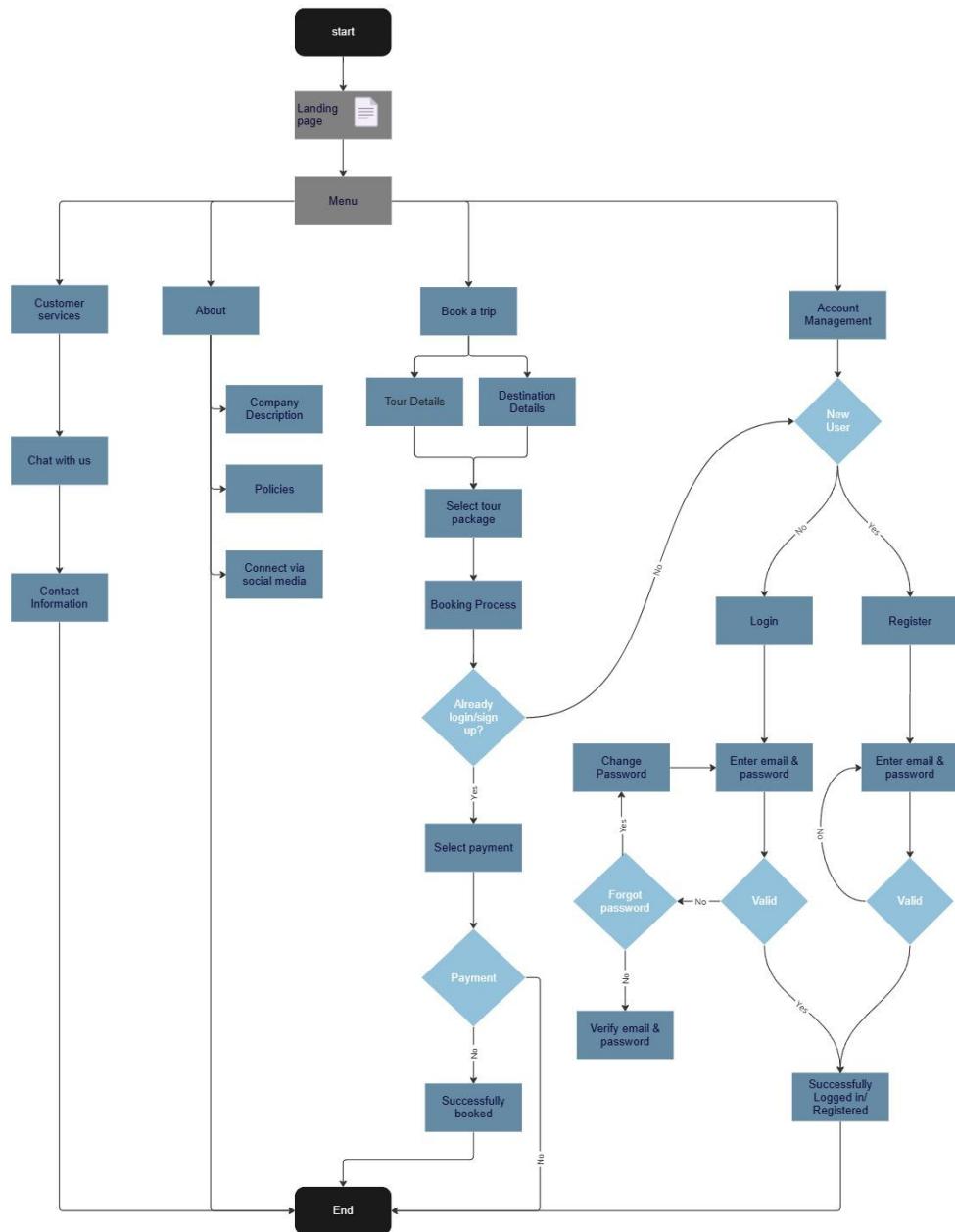
ABOUT

- The About page will contain details of the Wanderlust company, and what social media Wanderlust uses.

CUSTOMER SERVICE

- On the Customer Service page, if there are problems with users using the **Wanderlust website**, users can report them on that page.

b. User Flowchart



Explanation:

The flow of Wanderlust User Flowchart website:

Landing Page : Users arrive at the travel website's landing page.

Menu:

- Users can navigate through the menu options on the website.
- The menu includes options such as Customer Service, About, Book a Trip, and Account Management.

Customer Service:

- When users select the Customer Service option, they are directed to a chat interface or a support page where they can interact with the customer service team.
- Users can ask questions, seek assistance, or resolve any issues they may have regarding their travel plans, bookings, or general inquiries.
- The customer service team may provide contact information such as phone numbers or email addresses to further assist users if needed.
- Once users have received the necessary support or information, they can end the chat or leave the customer service page.

About:

- Choosing the About option leads users to a dedicated page that provides information about the travel company.
- Users can expect to find a company description, including its history, mission, values, and any unique selling points.
- The About page may also contain information about the company's policies, such as cancellation and refund policies, privacy policy, or terms of service.
- Additionally, users may find links or buttons to connect with the company's social media accounts, enabling them to follow, engage, or receive updates from the travel company.
- After users have familiarized themselves with the company's information or connected via social media, they can end their visit to the About section.

Book a Trip:

- Selecting the Book a Trip option allows users to access detailed information about various tours and destinations offered by the travel company.
- Users can explore tour packages, including itineraries, activities, accommodation options, and pricing details.

- The website may provide additional information such as ratings, reviews, or photos to help users make an informed decision.
- Users can select their preferred tour package, which then leads them to the booking process.

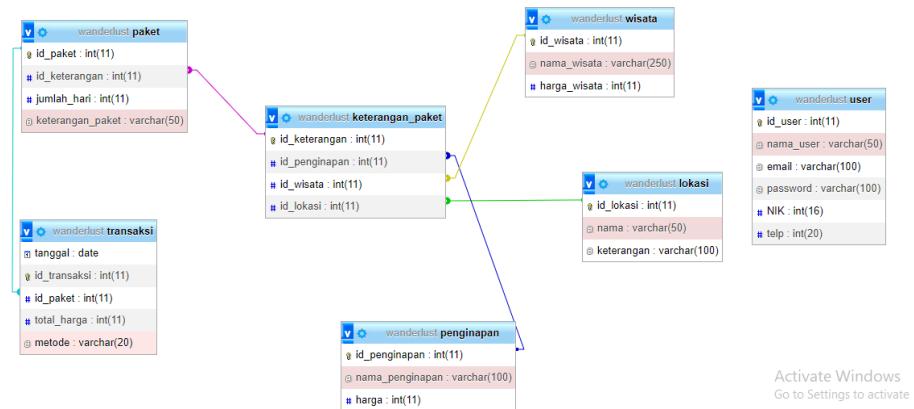
Account Management:

The Account Management option caters to both new and existing users.

- New Users:
 - If users are new and don't have an existing account, they can choose to register.
 - They will be prompted to enter their email address and create a password.
 - Upon successful registration, they can proceed with the booking process or explore other features available to registered users.
- Existing Users:
 - If users already have an account, they can log in directly.
 - They will need to enter their registered email address and password.
 - Once logged in, they can access personalized features, view their bookings, or manage their account settings.

This breakdown clarifies the purpose of each menu option on the travel website, helping users navigate the website and access the desired information or services effectively.

c. Database design - Entities and Attributes, as well as table relationships from the database to be used.



Explanation :

After conducting database analysis and design, the following is the relationship table generated for the Wanderlust tourist destination website:

1. Tabel User

- ID User : int(11) **Primary key**
- email : varchar(100)
- password : varchar(100)
- nama : varchar(100)
- tglLahir : date
- nik : int(16)
- nTelp : int(20)

2. Tabel Transaksi

- id_transaksi : int(11) **primary key**
- id_paket : int(11) **foreign key** tabel paket
- jumlah_pelanggan : int(11)
- totalHarga : int(11)

3. Tabel Lokasi

- ID : int(11) **primary key**
- nama : varchar(100)
- keterangan : varchar(100)

4. Tabel Wisata

- ID Wisata : int(11) **primary key**
- nama : varchar(100)

- harga : int(11)

5. Tabel Paket

- ID Paket : int(11) **primary key**
- id_ket : int(11) **foreign key** tabel keterangan paket
- jumlahHari : int(11)

6. Tabel Keterangan Paket

- id_ket : int(11) primary key
- ID_penginapan : int(11) **foreign key** tabel penginapan
- ID_wisata : int(11) **foreign key** tabel wisata
- ID : int(11) **foreign key** tabel lokasi

7. Tabel Penginapan

- ID_penginapan : int(11) **primary key**
- nama : varchar(100)
- tipe_kamar : varchar(20)
- harga : int(11)

Relationships between entities in the relationship table:

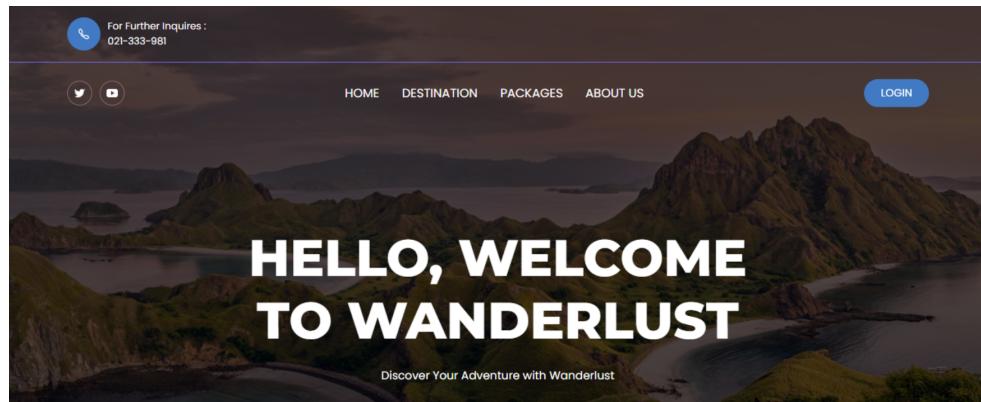
1. The User entity does not have any relationships with other entities.
2. The Lokasi entity has a many-to-many relationship with both the Penginapan and Wisata entities.
3. The Keterangan Paket entity has a many-to-many relationship with the Lokasi entity.
4. The Paket entity has a many-to-many relationship with the Keterangan Paket entity.
5. The Transaksi entity has a one-to-many relationship with the Paket entity.

3. Display of web pages that have been created, along with an explanation, as in the following example:

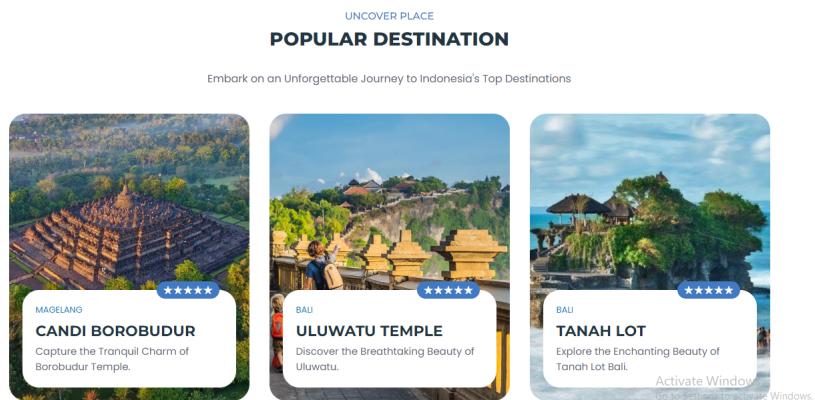
Explanation :

Based on the homepage layout of the Wanderlust website, several pages are displayed that can be accessed by users. The following pages have different layouts and content, namely:

- a. **Home:** This is the main page of the Wanderlust website. On this page, users will be greeted with an attractive and informative layout. They can find various information related to travel, special offers, and other features available on the website.



- b. **Destination:** On this page, users can browse through various lists of available travel destinations. They can search for destinations based on geographic location, theme, activities, or preferred type of travel. Each destination has a detailed description, captivating photos, and information about available facilities.



- c. **Packages:** On this page, users can explore various travel packages offered by Wanderlust. These travel packages typically include multiple destinations and activities that are specially designed to

provide an optimal travel experience. Users can view package details, prices, and other information before making a reservation.

POPULAR PACKAGES

CHECKOUT OUR PACKAGES

Embrace wanderlust and explore captivating destinations.



WAE REBO VILLAGE
Escape to Wae Rebo Village and discover a hidden paradise. Immerse yourself in nature, embrace the rich culture, and create unforgettable memories!

5D/4N | 8 pax: 8 | East Nusa Tenggara

132 reviews ★★★★★

1.500.000 / per person

[BOOK NOW](#)



DIVING IN NUSA PENIDA
Swim alongside majestic manta rays, encounter graceful sea turtles, and be mesmerized by the colorful tropical fish. Whether you're a beginner or an experienced diver, Nusa Penida offers an unforgettable diving adventure. Join us and dive into the beauty of Nusa Penida!

3D/2N | 6 pax: 6 | Bali

20 reviews ★★★★★

750.000 / per person

[BOOK NOW](#)



RAJA AMPAT
Embark on an extraordinary journey to Raja Ampat, a tropical paradise like no other. Immerse yourself in the breathtaking beauty of crystal-clear turquoise waters, pristine white-sand beaches, and vibrant coral reefs teeming with marine life.

7D/6N | 10 pax: 10 | Papua

32 reviews ★★★★★

2.500.000 / per person

[BOOK NOW](#)

Activate Windows
Go to Settings to activate Windows.

Activate Windows
Go to Settings to activate Windows.

Activate Windows
Go to Settings to activate Windows.

[MORE PACKAGES](#)

d. Our Service: On this page, users can explore the range of services offered by Wanderlust. We provide various travel and adventure-related services to cater to the diverse needs and interests of our customers. From curated tour packages to personalized itineraries, we strive to create unforgettable experiences for every traveler.

WHAT WE OFFER

OUR SERVICES

Explore the range of services we provide to make your travel experience exceptional.



ACCOMMODATION
Our accommodation services provide the best convenience and comfort in your trip.



TRANSPORTATION
Arrange transportation options for a smooth and convenient travel experience.



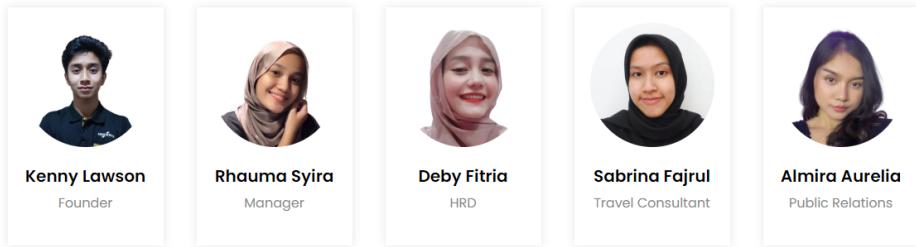
DINING
Discover the best dining options and indulge in local and international cuisines.

e. Our Team: Users can learn about the dedicated team behind Wanderlust, including our travel experts, guides, and support staff. We

take pride in our knowledgeable and passionate team members who are committed to ensuring the best travel experiences for our customers.

MEET
OUR TEAM

Here, we will introduce our great and talented team members.



f. Photo Gallery: Immerse yourself in the captivating visuals of our photo gallery, where we showcase stunning images captured by travelers who have embarked on unforgettable adventures with Wanderlust. Browse through a collection of breathtaking landscapes, vibrant cultures, and extraordinary moments frozen in time.

PHOTO GALLERY
PHOTO FROM TRAVELER: CAPTURING MOMENTS, UNVEILING STORIES

Explore the world through the lens of a traveler's camera. Witness breathtaking landscapes, vibrant cultures, and unforgettable experiences. Each photo tells a unique tale, inviting you to join the journey and create your own remarkable memories.



g. About Us: On this page, users can find information about Wanderlust as a company or organization. They can discover details about our vision and mission, which is to inspire and enable people to explore the world and create lifelong memories through travel. We value exceptional customer service, environmental sustainability, cultural appreciation, and responsible tourism practices.

In addition, there is a Login button available on the page. This button will direct users to the login page, where they need to enter the email and password they have registered with if they want to book a trip. If the user does

not have an account yet, they will be directed to the sign-up page, where they can create an account first.

4. Group member NIM, Name, and the role in the project.

NIM	Nama	Peran
00000080298	Almira Zahra Aurelia	<ol style="list-style-type: none"> 1. Membuat rancangan website wanderlust. 2. Mencetuskan ide mengenai nama dari web application. 3. Membuat User Flowchart. 4. Membuat penjelasan mengenai user flowchart.
00000012345	Kenny Budiarso Lawson	<ol style="list-style-type: none"> 1. Membuat penjelasan mengenai user flowchart. 2. Membuat Deskripsi mengenai website wanderlust.
00000081068	Deby Fitria	<ol style="list-style-type: none"> 1. Membuat table relasi website wanderlust. 2. Membuat Deskripsi mengenai website wanderlust. 3. Menjelaskan basis data Entitas dan Atribut, serta hubungan tabel dari basis data yang akan digunakan.
00000079236	Rhauma Syira Anggina	<ol style="list-style-type: none"> 1. Membuat rancangan website wanderlust. 2. Membuat Site Diagram dan penjelasannya. 3. Membuat Deskripsi mengenai website wanderlust. 4. Membuat penjelasan mengenai masing-masing halaman pada website wanderlust.
00000083124	Sabrina Fajrul Ula Usman	<ol style="list-style-type: none"> 1. Membuat rancangan website wanderlust. 2. Membuat table relasi website Wanderlust.

		3. Menjelaskan detail mengenai hubungan antar entitas pada table relasi.
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