

Project Report

Wanderlust : A Personalized Travel Planning and Tracking App.

1. INTRODUCTION:

1.1 Overview

A project build using the android compose UI toolkit. It demonstrates how to create a simple travel app using the compose libraries.

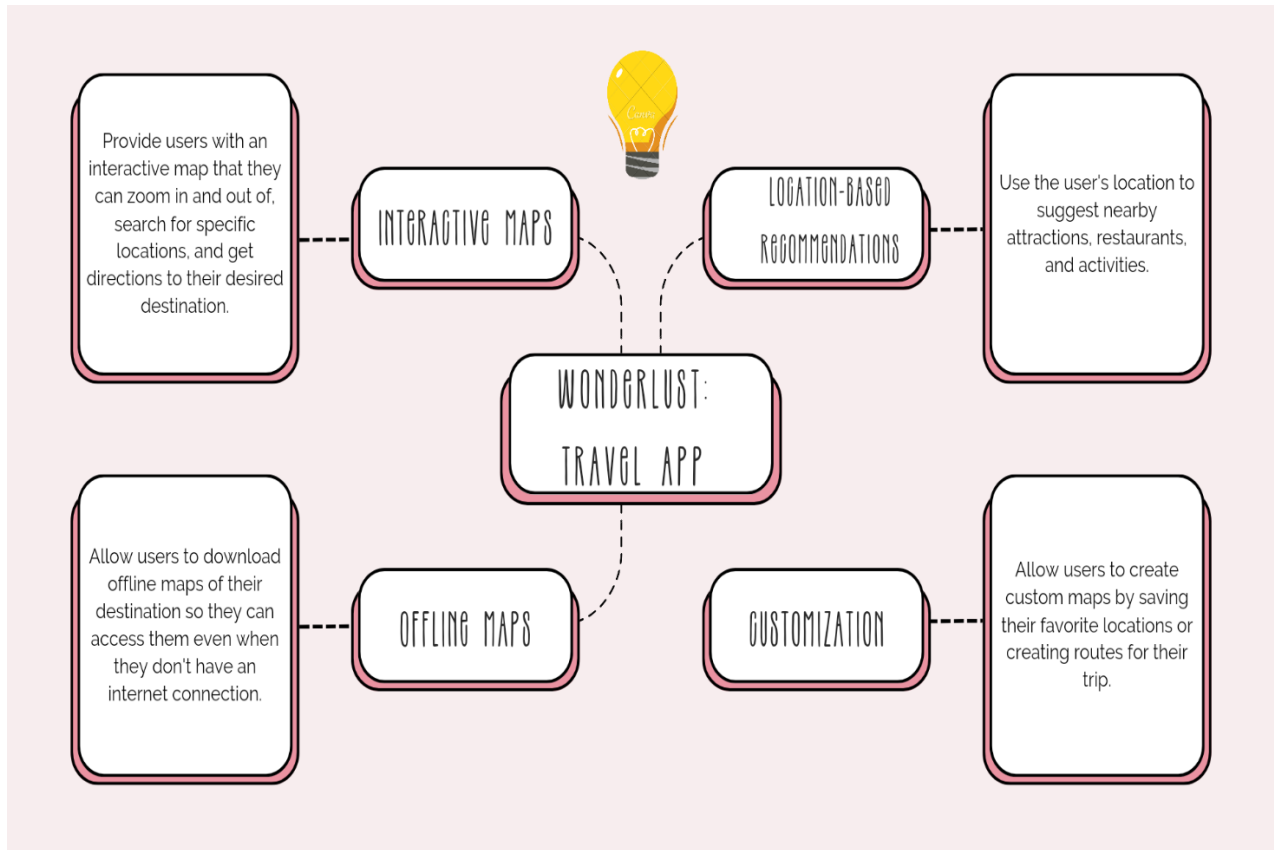
Wanderlust is a strong desire to wander or travel and explore the world. Most of us experience the wish to visit faraway places. It represents that urge to break from everyday life and experience something new and unknown.

1.2 Purpose

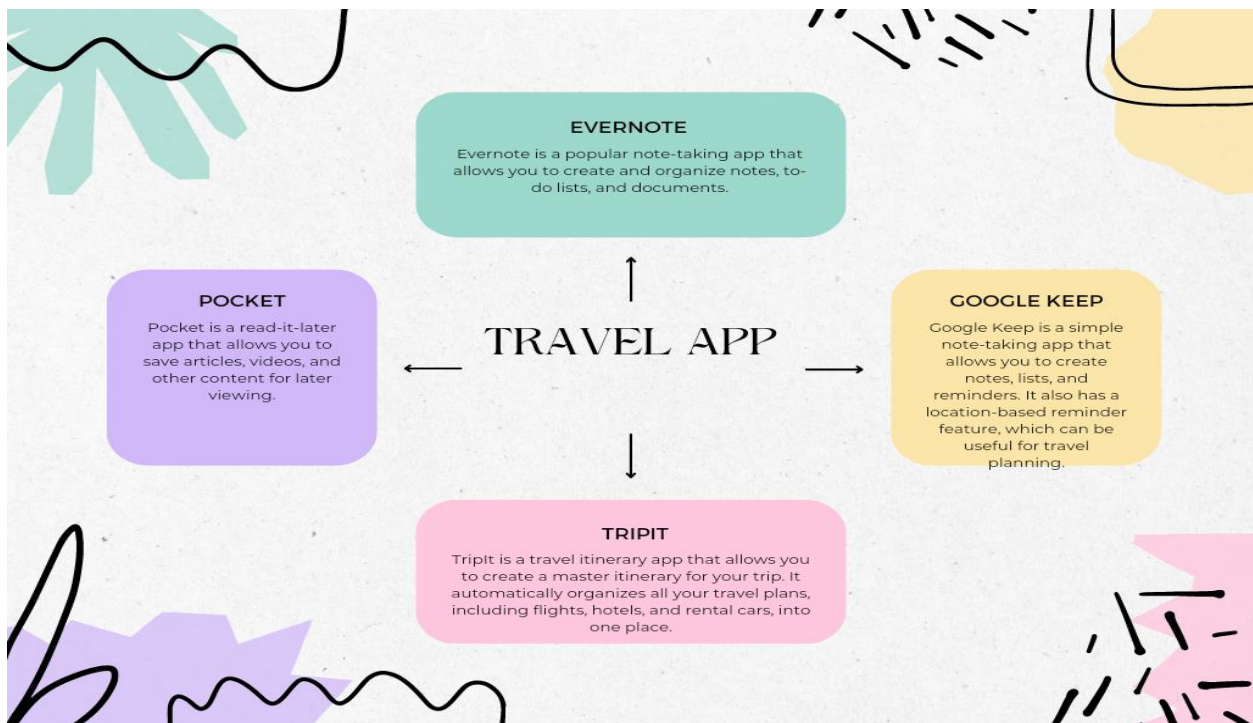
The main purpose of the travel app is to develop an app for this project, to understand the way people collaborate, compromise, and make decisions during group travel. Wanderlust is a visually rich travel exploration and collaboration tool to help people discover, collect, collaborate, and guide them through every stage of their trip, making experiences fuller and richer.

2. Problem Definition & Design Thinking:

2.1 Empathy Map










2.2 Ideation & Brainstorming Map




3. RESULT:

Main Page

7:37   

  VoLTE LTE 4G  6% 



Login

Username

Password

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Wanderlust Travel



Bali

Super saver pack with less than \$10000
7days/2persons



Paris

Super saver pack with less than \$10000
7days/2persons



Singapore

Super saver pack with less than \$10000

Output



Bali



Day 1: Arrival and Relaxation

Arrive in Bali and check into your hotel or accommodation.

Spend the day relaxing and getting acclimated to the island.

If you have time, explore the nearby area or head to the beach.

Day 2: Ubud Tour

Start your day early and head to Ubud, a cultural and artistic hub in Bali.

Visit the Monkey Forest and the Ubud Palace.

Take a tour of the Tegalalang Rice Terrace, a beautiful UNESCO World Heritage Site.

End your day with a traditional Balinese dance performance.

Day 3: Temple Hopping

Visit some of Bali's most famous temples, such as Tanah Lot and Uluwatu.

Take in the stunning views of the ocean and cliffs.

Enjoy a sunset dinner at one of the many restaurants near the temples.

4. ADVANTAGES:

It's a chance to destress:

Modern life tends to be busy and pressured with little time for yourself. Breaking from this routine helps you reset and relax

It makes you creative:

Getting out of your comfort zone and experiencing new things means you have to adapt and be resourceful. This can improve your problem-solving skills and make you a creative thinker

It opens your mind:

Experiencing different ways of life, cultures and views makes you more likely to show understanding and embrace new perspectives

It boosts your confidence:

Going to a new place with an unfamiliar language improves your ability to communicate with strangers and pushes you to become more outgoing.

DISADVANTAGES:

- You are, if not millions, then thousands of miles from home, and honestly no one knows what would happen the next second.

- You may also suddenly miss some important events at home when you are away.

- It's also **home sickening**. When you travel for days, you end up missing home a lot.

- You can also fall behind professionally (if traveling is not your career). Of course, traveling is good for your CV, but you also have to catch up on work that you missed during the travel days.

- Traveling is also very tiring. You have to explore new places every day and at some point, you get sick and tired.

- You may also **feel isolated** from your friends and neighbors and whoever you have a deep relationship with.

- Last but not least, traveling gives you new experiences, but at the same time you invest a lot of time in that, so the time investment is also a factor.

5. APPLICATIONS:

Roadtrippes

Road trips are always the most difficult trips to plan. The road is always full of surprises, but with this app discovering them is a little easier. Whether it's refueling or just admiring an off the road attraction.

Triplt

Organizing a trip usually means receiving several confirmation emails- flights, hotels, restaurants- which makes all the important information scattered. It also syncs with your calendar, so you don't miss an event.

Air Hopping

Taking a trip without having a clear destination? Sounds like a planner's nightmare. Simply enter the city of origin, a range of dates and the number of destinations you want to visit.

Packing Pro

No matter if travelling is your thing, you've probably arrived at the hotel more than once and realized that you'd forgotten something. Its intuitive interface makes it much more convenient than a paper list, although the downside is that there is no free version.

6. CONCLUSION:

Planning a trip can be overwhelming ,but thankfully there are plenty of great apps to help you. From Google Trips, a one-stop shop for all your planning needs, to TripIt, an app that helps keep everything organized.

In conclusion, a travel map is a valuable tool for any trip, whether for a long drive or a short getaway.

Skyscanner searches hundreds of airlines for the best deals—there's an app out there that fits everyone's needs.

Find the best hotels and restaurants near you with TripAdvisor or comparing prices on flights and hotels easily with Kayak.

Use Hopper as a deal finder that notifies you when it's the best time to make flight bookings—these trip planner apps provide the tools needed to plan a successful trip! So which is your favorite?

Hire a travel app developer on flexible engagement models and on your country zones at budget prices.

With all the trends and new apps, people have become even more overwhelmed with which solution to choose.

To ensure you deliver the most influential tool, we suggest you regularly assess the market demand and industry trends.

7. FUTURE SCOPE:

Limited Human Intervention

An app built for the travel industry should have limited human intervention because transportation is a time-sensitive industry.

Climate & Weather Updates

The app should offer climate and weather updates because travelers want to know what to expect at their destination.

All-in-One Travel Booking

An all-in-one travel booking app can make it easier for travelers to plan their trips.

Real-Time Tracking

An app for the travel industry should offer real-time tracking because it allows travelers to make better decisions.

Intelligent Booking System

An intelligent booking system will be able to recommend the best flight options based on the user's personal preference.

Geolocation

An app build for the travel industry should have geolocation for several reasons.

Trip Reviews

Trip Reviews are a primary source of information for travelers.

Transaction Streamlining

An app build for the travel industry should offer transaction streamlining for two reasons. first, booking the trip. second, reduce the number of steps that a user has to take to complete a booking.

8. APPENDIX:

Main Activity.kt

```
package com.example.travelapp
```

```
import android.content.Context
```

```
import android.content.Intent
```

```
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.clickable
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.rememberScrollState
import androidx.compose.foundation.verticalScroll
import androidx.compose.material.Card
import androidx.compose.material.Text
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.draw.scale
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.res.stringResource
import androidx.compose.ui.text.font.FontFamily
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.style.TextAlign
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
```

```
class MainActivity : ComponentActivity() {
```

```
override fun onCreate(savedInstanceState: Bundle?) {  
    super.onCreate(savedInstanceState)  
    setContent {  
        TravelApp(this)  
    }  
}
```

@Composable

```
fun TravelApp(context: Context) {  
    Column(  
        modifier = Modifier  
            .padding(20.dp)  
            .verticalScroll(rememberScrollState())  
    ){  
  
        Text(  
            fontSize = 40.sp,  
            color = Color(android.graphics.Color.rgb(120, 40, 251)),  
            fontFamily = FontFamily.Cursive,  
            text = "Wanderlust Travel"  
        )  
    }  
}
```

```
Spacer(modifier = Modifier.height(20.dp))
```

```
// 01
```

```
Card(
```

```
    modifier = Modifier
```

```
        .fillMaxWidth()
```

```
        .height(250.dp)
```

```
        .clickable {
```

```
            context.startActivity(
```

```
                Intent(context, BaliActivity::class.java)
```

```
            )
```

```
        },
```

```
        elevation = 8.dp
```

```
)
```

```
{
```

```
    Column(
```

```
        horizontalAlignment = Alignment.CenterHorizontally
```

```
) {
```

```
    Image(
```

```
        painterResource(id = R.drawable.bali), contentDescription = "",
```

```
        modifier = Modifier
```

```
            .height(150.dp)
```

```
            .scale(scaleX = 1.2F, scaleY = 1F)
```

```
)
```

```
Text(  
    text = stringResource(id = R.string.place_1),  
    fontSize = 18.sp  
)
```

```
Text(  
    text = stringResource(id = R.string.description),  
    fontWeight = FontWeight.Light,  
    fontSize = 16.sp,  
    textAlign = TextAlign.Center,  
)
```

```
Text(  
    text = stringResource(id = R.string.plan), color = Color.Gray,  
    fontSize = 16.sp  
)  
}  
}
```

```
Spacer(modifier = Modifier.height(20.dp))
```

```
//02
```

```
Card(
```

```
    modifier = Modifier
```

```
        .fillMaxWidth()
```

```
        .height(250.dp)
```

```
        .clickable {
```

```
            context.startActivity(
```

```
                Intent(context, ParisActivity::class.java)
```

```
            )
```

```
        },
```

```
    elevation = 8.dp
```

```
)
```

```
{
```

```
    Column(
```

```
        horizontalAlignment = Alignment.CenterHorizontally
```

```
) {
```

```
    Image(
```

```
        painterResource(id = R.drawable.paris), contentDescription = "",
```

```
        modifier = Modifier
```

```
            .height(150.dp)
```

```
            .scale(scaleX = 1.2F, scaleY = 1F)
```

```
    )
```

```
Text(  
    text = stringResource(id = R.string.place_2),  
    fontSize = 18.sp  
)
```

```
Text(  
    text = stringResource(id = R.string.description),  
    fontWeight = FontWeight.Light,  
    fontSize = 16.sp,  
    textAlign = TextAlign.Center,  
)
```

```
Text(  
    text = stringResource(id = R.string.plan), color = Color.Gray,  
    fontSize = 16.sp  
)  
}  
}
```

```
Spacer(modifier = Modifier.height(20.dp))
```

```
//03
```

```

Card(
    modifier = Modifier
        .fillMaxWidth()
        .height(250.dp)
        .clickable {
            context.startActivity(
                Intent(context, SingaporeActivity::class.java)
            )
        },
    elevation = 8.dp
)
{
    Column(
        horizontalAlignment = Alignment.CenterHorizontally
    ){
        Image(
            painterResource(id = R.drawable.singapore), contentDescription =
            "",
            modifier = Modifier
                .height(150.dp)
                .scale(scaleX = 1.2F, scaleY = 1F)
        )

        Text(

```



```
        text = stringResource(id = R.string.place_3),
        fontSize = 18.sp
    )
```

```
Text(
    text = stringResource(id = R.string.description),
    fontWeight = FontWeight.Light,
    fontSize = 16.sp,
    textAlign = TextAlign.Center,
)
```

```
Text(
    text = stringResource(id = R.string.plan), color = Color.Gray,
    fontSize = 16.sp
)
}
}
```

```
Spacer(modifier = Modifier.height(20.dp))
}
}
}
```