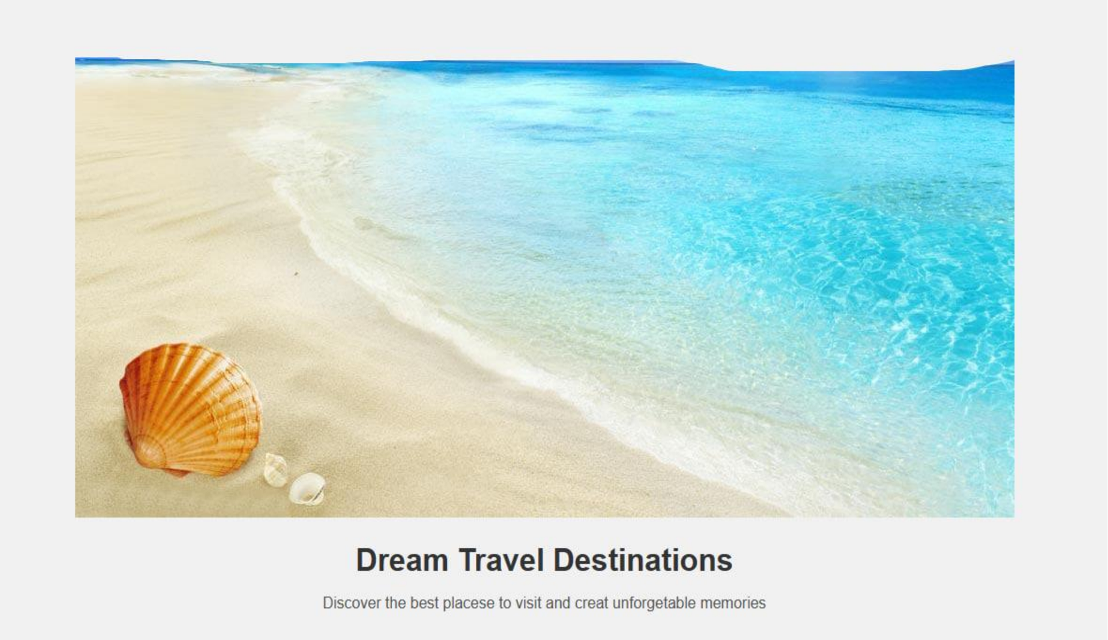
Project -1-

Dream Travel Destinations



Dream Travel Destinations

Discover the best placese to visit and creat unforgetable memories

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What is Dream Travel Destinations project?

By using information cards, this website allows the user to get information about the tourist and entertainment places before traveling there and makes it easy for the user to choose a suitable place. By using the select language system, this website allows the user to change the information of each card according to the desired language. that we chose 4 languages English, Dari, Turkish and Spanish.

Why do we build this project?

We made this project to learn teamwork and to be able to work on a project as a team and still be able to work on the project as a modular system.

Which languages are used?

HTML, CSS, JS, React programming languages are used.by using html, an empty div with the root id is created inside index.html, which we create an object with and use it to render our main component. In this way, everything inside our main component is The browser page is displayed.CSS has been used to set the layout and style the header of the cards.JS is used to make the application active. And react has been used to convert codes into reusable and dynamic components.

Setup Step:

First, we placed the static file of the project in a computer path, which contained two files and two folders. Later, we downloaded the node modules using the npm install command in the cmd , which npm installed all the packages required by the project in package.json. It installs inside the module. Later, we opened the project in VS Code and ran it using the npm start command in the terminal. And we started working to make the project dynamic.

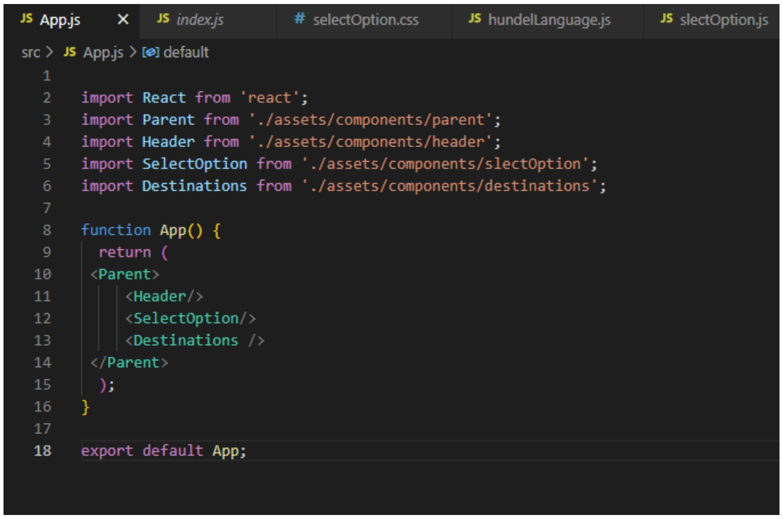
In order for our codes to be more organized, inside the assets folder, we created another folder called components, which contains 7 files named array.js destination.js destinations.js header.js hundlelanguage.js parent.js and selectOption.js

Functional requirements:

We have this component in our projects:

App.js:

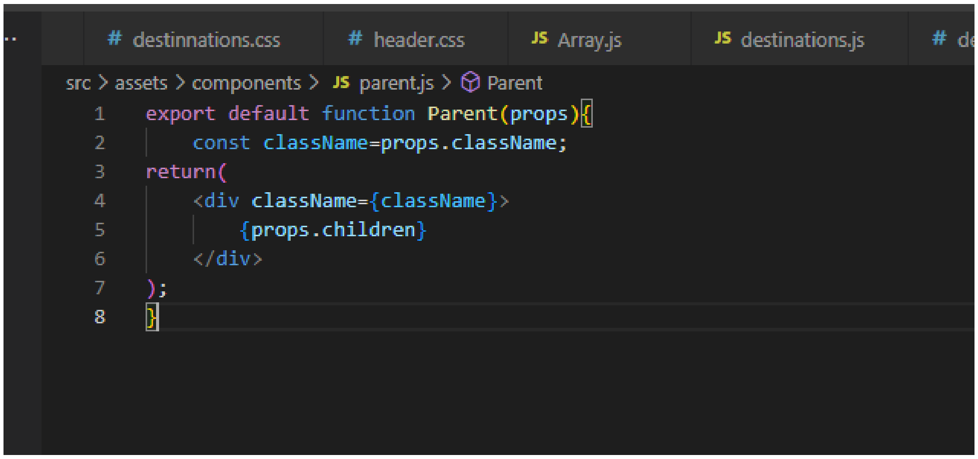
It is the main component. It defines the structure and behaviour of the root component .At first, we imported the required components that we had already made and used them in the required places In this component, you used compositing, which renders a parent component with children for us. that the child components of each are Header select Option and Destinations, which we will discuss in the following.



```

import React from 'react';
import Parent from './assets/components/parent';
import Header from './assets/components/header';
import SelectOption from './assets/components/slectOption';
import Destinations from './assets/components/destinations';

function App() {
  return (
 <Parent>
     <Header/>
     <SelectOption/>
     <Destinations />
 </Parent>
  );
}

export default App;
```

Parent.js:

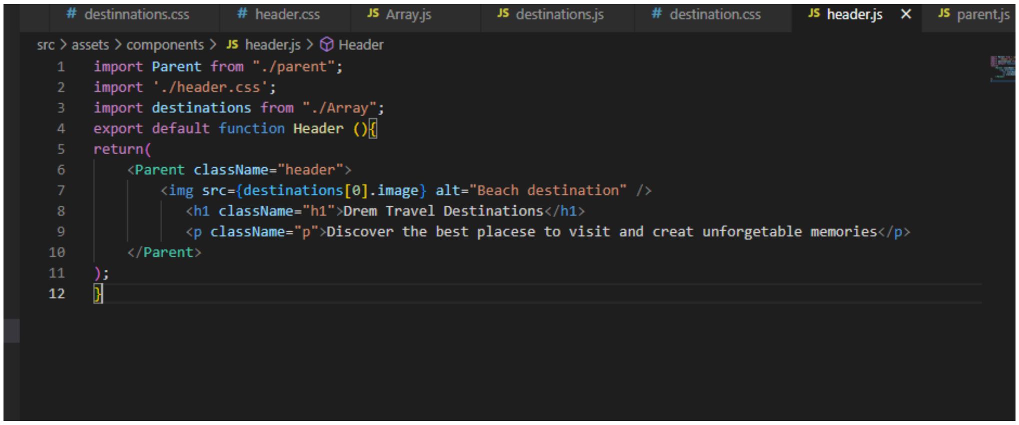
It is a reusable component that acts as a container and renders a div, inside which we used {props.children}, with this all the child content is displayed inside the parent. We made dynamic prpos.className, now our parent component takes the className of that component by being placed in any other component. We exported this component and imported it in the app component and other components if needed.



```
export default function Parent(props){
    const className=props.className;
return(
    <div className={className}>
        {props.children}
    </div>
);
}
```

Header.js:

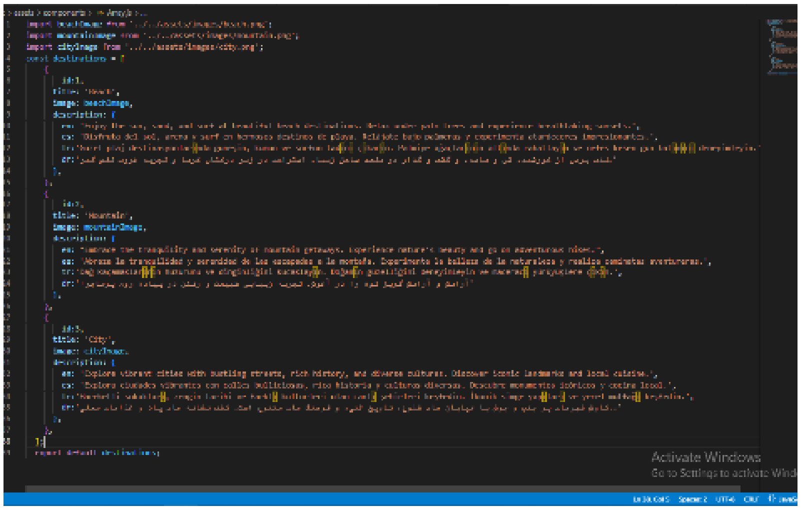
In this component, we imported the parent component and used it as a container. We also imported our destination component and addressed our photo using it. We also put the header styles in a separate CSS file and imported it as well. This component renders a parent component for us, which contains a picture, a heading, and a paragraph. We exported this component and imported it in the app component and used it as a child in the parent component.



```
import Parent from "./parent";
import './header.css';
import destinations from "./Array";
export default function Header (){
return(
    <Parent className="header">
        <img src={destinations[0].image} alt="Beach destination" />
          <h1 className="h1">Drem Travel Destinations</h1>
          <p className="p">Discover the best placese to visit and creat unforgetable memories</p>
    </Parent>
);
}
```

Array.js:

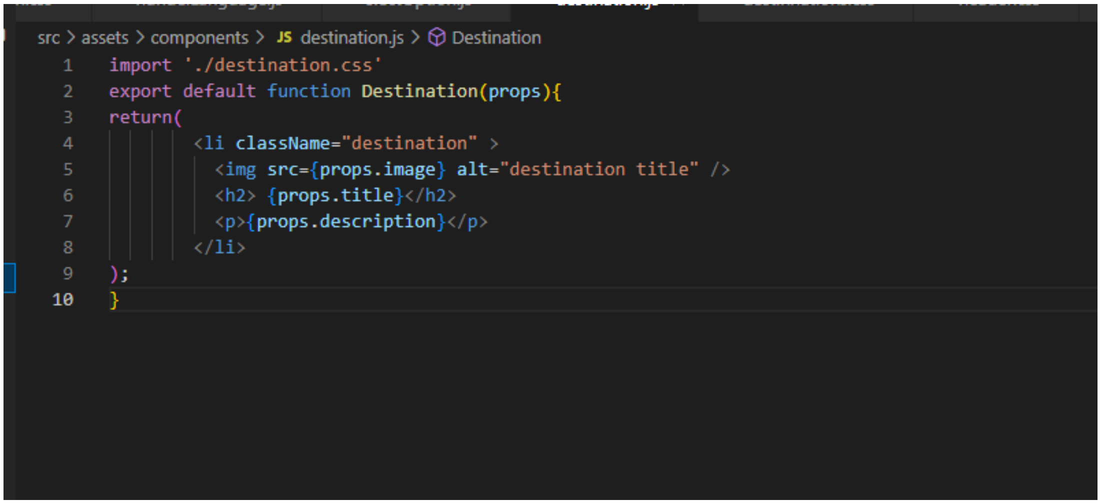
In this component, there is an array called descriptions, which contains three objects, and each object has three properties called title, image, description. which determines the title of the photo and the information of our card, respectively. Property called description is another object. which had two properties called 'en' and 'es' , meaning English and Spanish. In this presentation, we added an ID for each object, because when we use the map method, each child in a list must have a unique key. We also added two other languages, Turkish and Dari, to our project. And in this component, we imported the three required photos and exported our own array and made headers in the components destinations, handalLanguageChange and export.



```
import beachImage from '../../assets/images/beach.png';
import mountainImage from '../../assets/images/mountain.png';
import cityImage from '../../assets/images/city.png';
const destinations = [
    {
      id:1,
      title: 'Beach',
      image: beachImage,
      description: {
        en: 'Enjoy the sun, sand, and surf at beautiful beach destinations. Relax under palm trees and experience breathtaking sunsets.',
        es: 'Disfruta del sol, arena y surf en hermosos destinos de playa. Relájate bajo palmeras y experimenta atardeceres impresionantes.',
        tr:'[illegible]',
        dr:'[illegible]'
      },
    },
    {
      id:2,
      title: 'Mountain',
      image: mountainImage,
      description: {
        en: 'Embrace the tranquility and serenity of mountain getaways. Experience nature's beauty and go on adventurous hikes.',
        es: 'Abraza la tranquilidad y serenidad de las escapadas a la montaña. Experimenta la belleza de la naturaleza y realiza caminatas aventureras.',
        tr:'[illegible]',
        dr:'[illegible]'
      },
    },
    {
      id:3,
      title: 'City',
      image: cityImage,
      description: {
        en: 'Explore vibrant cities with bustling streets, rich history, and diverse cultures. Discover iconic landmarks and local cuisine.',
        es: 'Explora ciudades vibrantes con calles bulliciosas, rica historia y culturas diversas. Descubre monumentos icónicos y cocina local.',
        tr:'[illegible]',
        dr:'[illegible]'
      },
    },
  ];
  export default destinations;
```

destination.js:

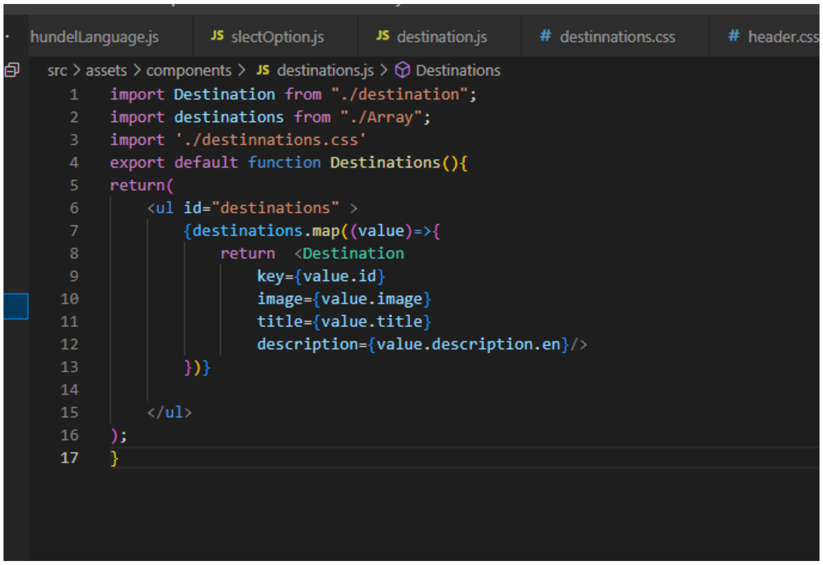
This component renders a li which is our card, which includes an image, a heading and a paragraph, which we use props to get data from the parent component.we Put all the styles related to this component in a separate file. and we imported them also we export the Destination component and imported it inside the Destinations component



```
import './destination.css'
export default function Destination(props){
return(
        <li className="destination" >
          <img src={props.image} alt="destination title" />
          <h2> {props.title}</h2>
          <p>{props.description}</p>
        </li>
);
}
```

destinations.js:

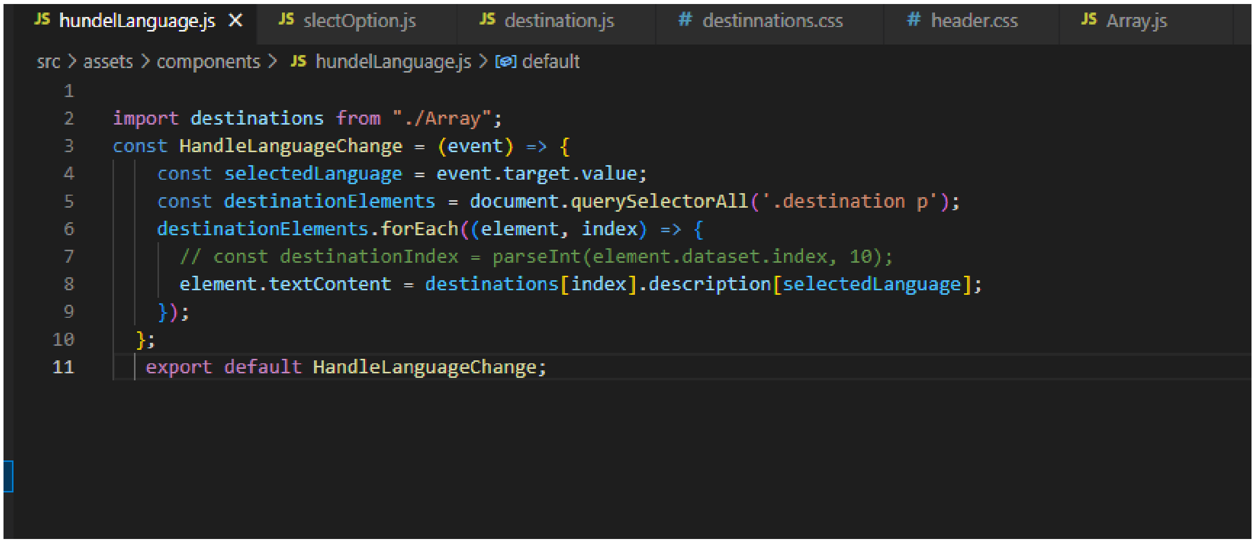
this component prints our card using the map method as many objects as there are in the array, because we have three objects in the array, so it prints our card three times. In this component, we have the Destination component We imported it to print it three times and we also imported the destinations component which is located in our array and using the value parameter in the map method we accessed all its properties and we Put all the styles related to this component in a separate file and imported it



```
import Destination from "./destination";
import destinations from "./Array";
import './destinnations.css'
export default function Destinations(){
return(
    <ul id="destinations" >
        {destinations.map((value)=>{
            return  <Destination
                key={value.id}
                image={value.image}
                title={value.title}
                description={value.description.en}/>
        })}

    </ul>
);
}
```

HandleLanguageChange.js :

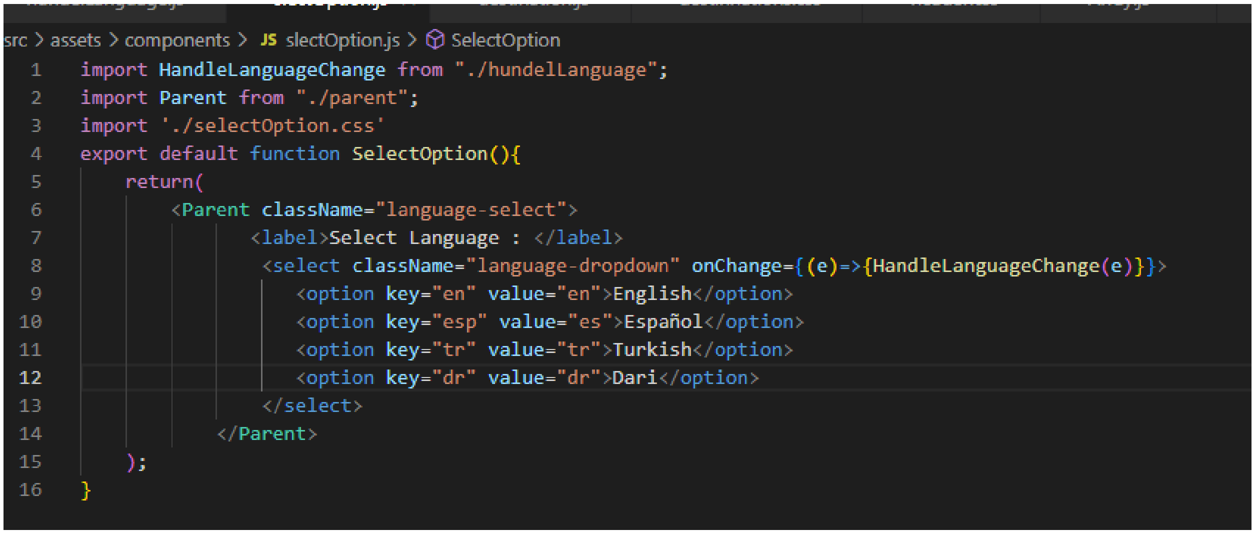
This component is used to change the language on our web page. In the first part, add the destination component so that the data in our array (modifiable data) can be recognized by the component. In this component, all the paragraphs in travel destinations are taken and changed to the desired language.



```

import destinations from "./Array";
const HandleLanguageChange = (event) => {
    const selectedLanguage = event.target.value;
    const destinationElements = document.querySelectorAll('.destination p');
    destinationElements.forEach((element, index) => {
      // const destinationIndex = parseInt(element.dataset.index, 10);
      element.textContent = destinations[index].description[selectedLanguage];
    });
  };
   export default HandleLanguageChange;
```

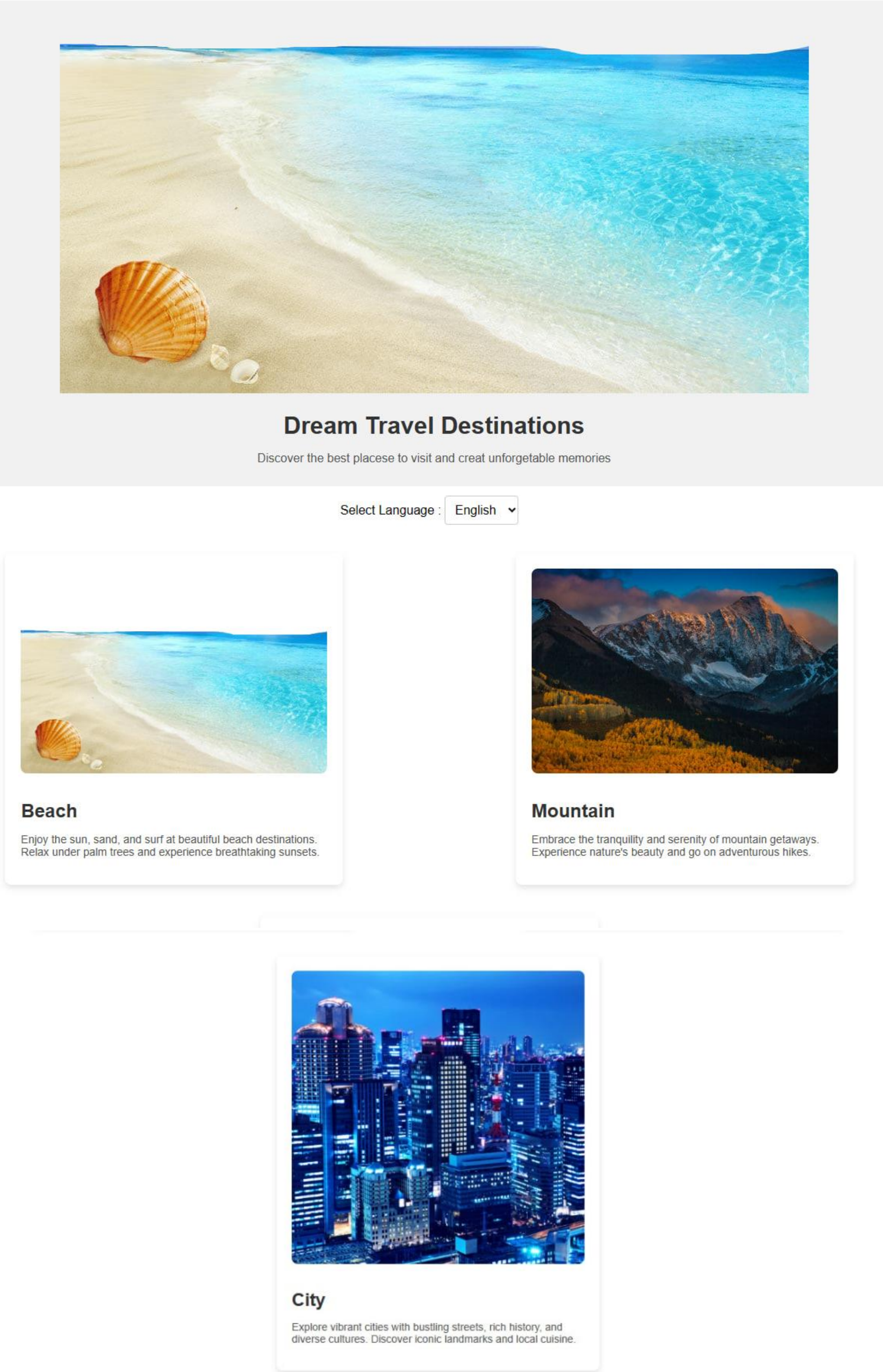
SelectOption.js :

The purpose of creating this component is to select the desired language. The capabilities of this component are to change the content language available in travel destinations using the onChange method and importing handleChangeLanguage to one of these four languages: English, Spanish, Turkish, or Dari. Of course, the default language of the web page is English, but it can be changed according to the user's request



```
import HandleLanguageChange from "./hundelLanguage";
import Parent from "./parent";
import './selectOption.css'
export default function SelectOption(){
    return(
        <Parent className="language-select">
               <label>Select Language : </label>
                <select className="language-dropdown" onChange={(e)=>{HandleLanguageChange(e)}}>
                   <option key="en" value="en">English</option>
                   <option key="esp" value="es">Español</option>
                   <option key="tr" value="tr">Turkish</option>
                   <option key="dr" value="dr">Dari</option>
                </select>
            </Parent>
    );
}
```

You can see the output of project here ✌ :



Dream Travel Destinations

Discover the best placese to visit and creat unforgetable memories

Select Language : English ▾

Beach

Enjoy the sun, sand, and surf at beautiful beach destinations. Relax under palm trees and experience breathtaking sunsets.

Mountain

Embrace the tranquility and serenity of mountain getaways. Experience nature's beauty and go on adventurous hikes.

City

Explore vibrant cities with bustling streets, rich history, and diverse cultures. Discover iconic landmarks and local cuisine.