



SRS

Introduced by SE2018G08

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1.Introduction

1.1.Executive Summary

You Tour is a website which works like a platform for a number of tourism companies to offer their trips which are varying in cost & duration so that the customers will always find an offer satisfies their needs, the website also provides different ways of filtration to make it more easier for customers to get their point and many other user friendly functions.

1.2.Document Overview

This SRS document focuses on describing the software requirements of You Tour website, The document focuses on system description, system users, system modules, all the functional, nonfunctional requirements and system interfaces.

1.3Abbreviations and Terminologies

SRS	Software requirement specifications
GUI	Graphical user interface

2. System description

2.1 Introduction

2.1.1 About

You tour is a system that provides various offers for different travel agencies and tourism companies. The main idea behind the system is instead of browsing the packages and offers of just one travelling agency, the user will have the opportunity to go through a larger number of offers without the effort of going into each company's website. It offers a large number of trips that varies in destinations, hotels with different rates and the duration time, so users can decide where to spend their holidays. The site will provide different ways of filtration to make it easier for users to find what they are looking for. You tour also makes communication with different agencies become easier by providing their contacts (number, address, websites, and email).

2.1.2 Product feathers

-Search and filter:

The user can search and filter through all the offers to narrow down the options. The user can filter by three criteria. First is filtering by the place they want to go to then the system will get all the offers for that chosen place. The second one is by the cost of the package as a whole. The user can enter a range of cost that suits them and the system will provide them with offers within that range. The last one is filtering by the date/timing of the trips. The user can search using one or all the filters to facilitate the searching process.

- Provide detailed description of the offers:

The system provides a very detailed description for every offer so that the user can know all the information from our system and won't feel obliged to contact the companies for more information. The description includes the place they are going to visit, the program of the trip, its duration, the hotel and its rating, the available activities at that place, the transportation details (if the transportation is provided), the cost of the trip. It will also include any further details that the travel agencies provide regarding any trip.

-Having a user profile:

Users are either companies or customers. companies contribute to the system by providing their tours schedule (plan and description) and their contacts. Customers browse the companies offers and book them using his account (only registered user can use initial booking, tracking a trip and rating options).

-Booking:

The system provides with each offer/trip the contact information (mobile number, email, website and location) for the travel agency so that when the user decides on a specific offer, they can contact the agency and book the offer they want. The system provides also initial booking, but if the customer doesn't confirm it, it will be cancelled.

-Show the best offers:

The system provides the option to look at the best offers first before searching so that it's easier for the user to find what suits them best before exploring all the other options.

-Rating:

Users can rate their experiences with the system and the tour offers.

-Tracking the trip:

The detailed schedule of the trip will be sent to registered users who booked the trip, and once the trip starts the user will receive notifications on their account following the schedule notifying them of the place they should be in at the moment.

2.2 Users

- **Admin** : someone who controls and manage all the system.
- **User** : someone who can operate the website.
- **Customer**: a registered user as a customer.
- **Company**: a registered user as a company

3.System users

Admin	<ul style="list-style-type: none">-add new user-edit or delete any user info-add/edit/delete any trip
User	<ul style="list-style-type: none">-browse the website.- view the different offers and feedbacks .- get any company contacts.
Customer	<ul style="list-style-type: none">-have an account .book a trip or more .- organize his/her trips plan and time table .- rate the web site ,the trip and the tourism company.
Company	<ul style="list-style-type: none">-Have an account- add its contacts.-add its trips description , time table.-get a list of the customers who book any trip

4.System Modules

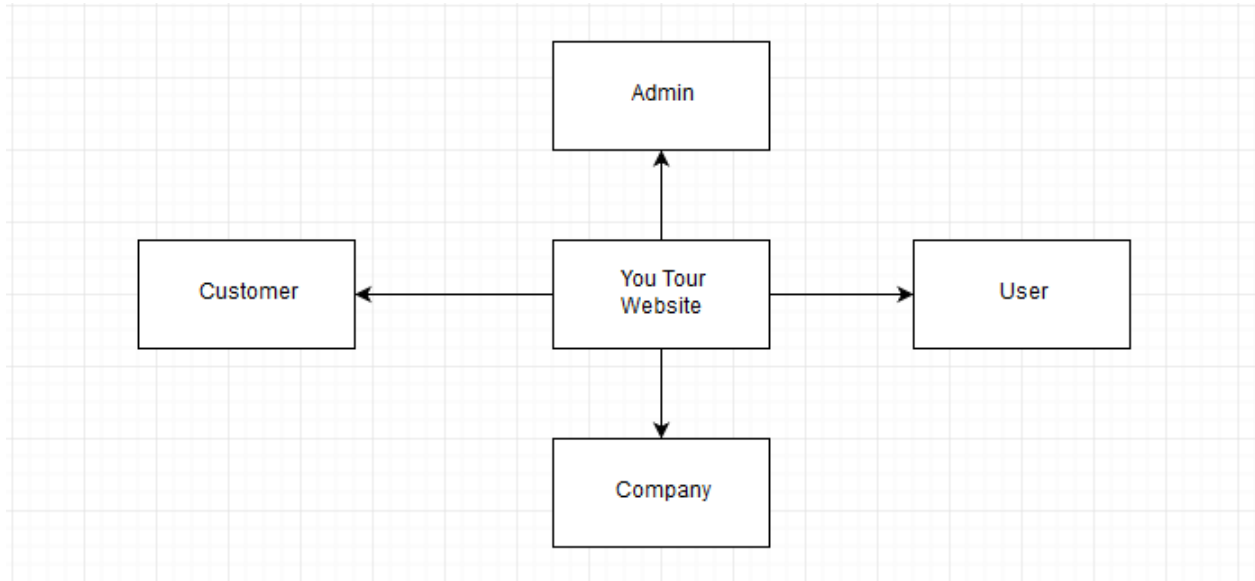


Figure 1:You Tour Website Context Diagram.

4.1.User module

This module contains the functions that User can use. User is anyone who browse the website. he can Search and use Filters to Navigate the Trips.

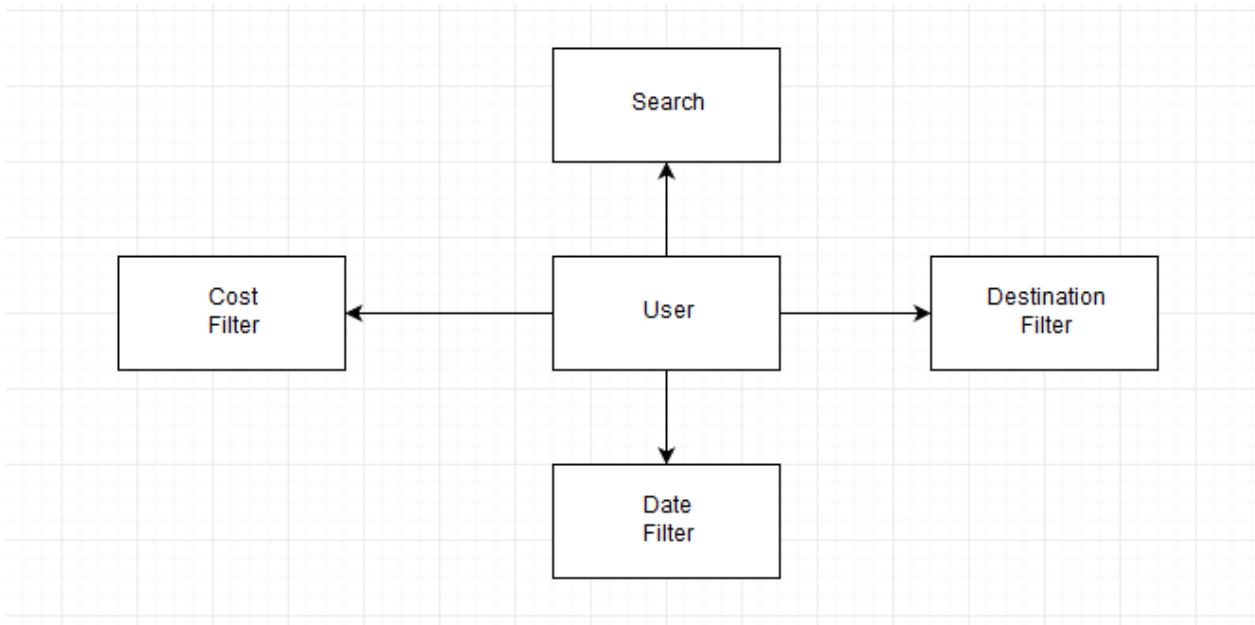


Figure 2: User Module Context Diagram.

4.2.Administration module

This module contains the functions that admin can use. admin is a user who controls and manage all the system. he can use user's module functions. Also, he can add new user, edit/delete any user info, add/edit/delete any trip.

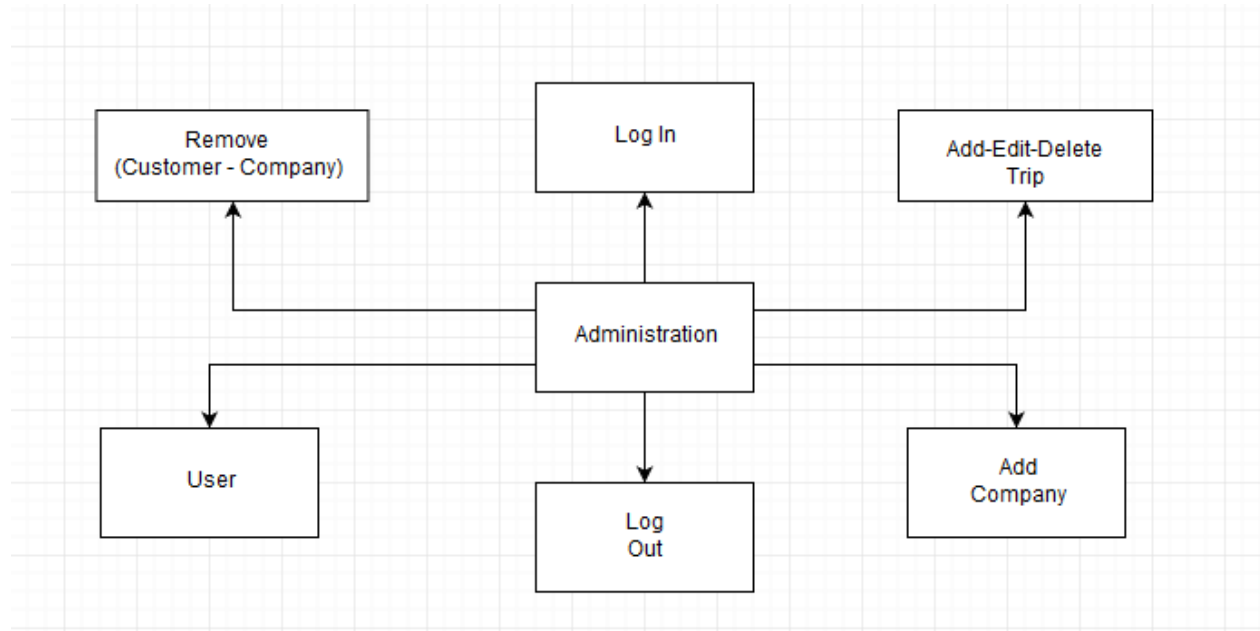


Figure 3: Administration Module Context Diagram.

4.3. Company module

This module contains the functions that User(Company) can use. Company is a registered user who can use user's module functions. Also, he can make an account which allowing it to add its contacts, trips description, cost, time table, get a list of the customers who reserve a trip.

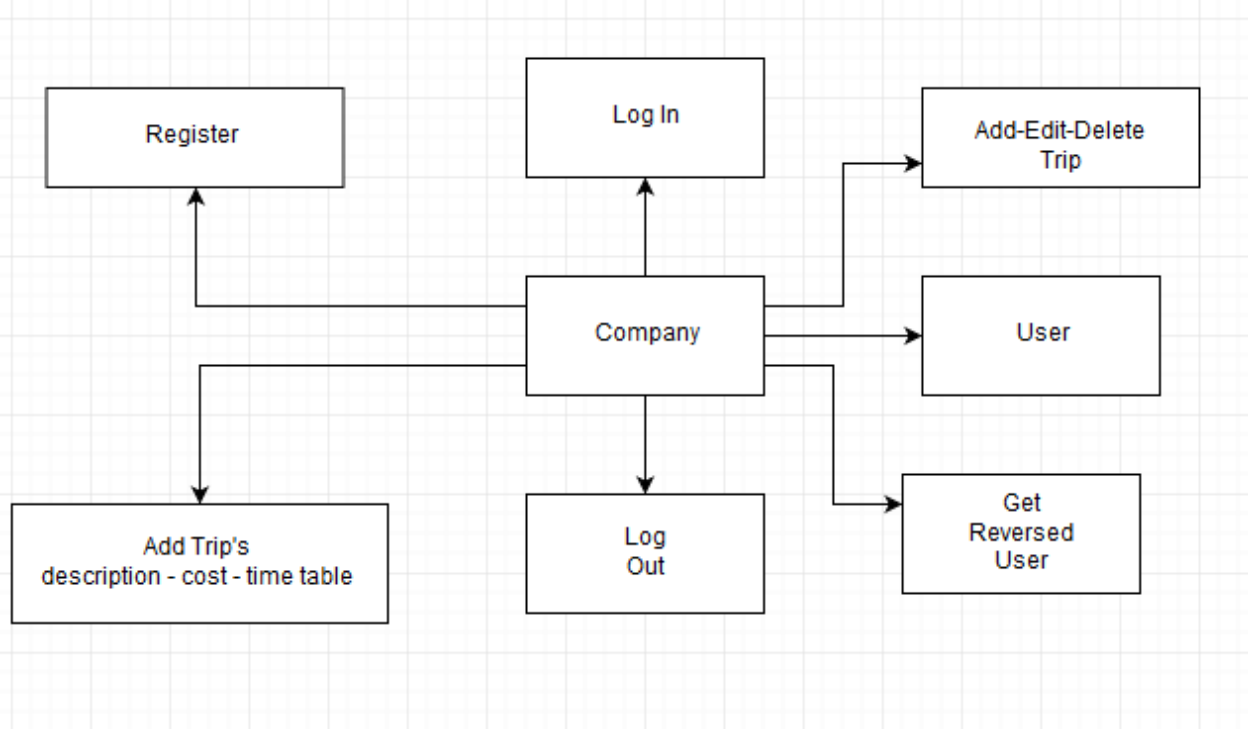


Figure 4: Company Module Context Diagram.

4.4.Customer module

This module contains the functions that User(Customer) can use. Customer is registered user who can use user's module functions. Also, he can make an account which allows him/her to reserve a trip or more, organize his/her trips plan and time table and rate the web site, the trip and the tourism company.

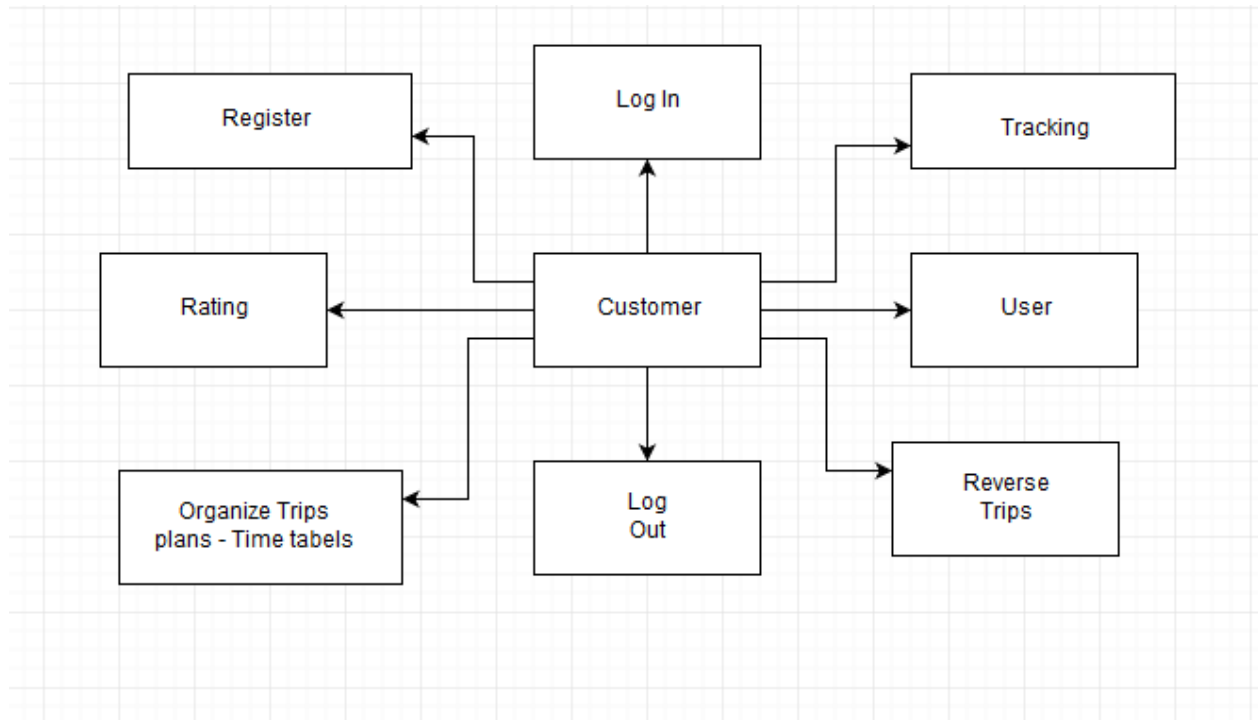
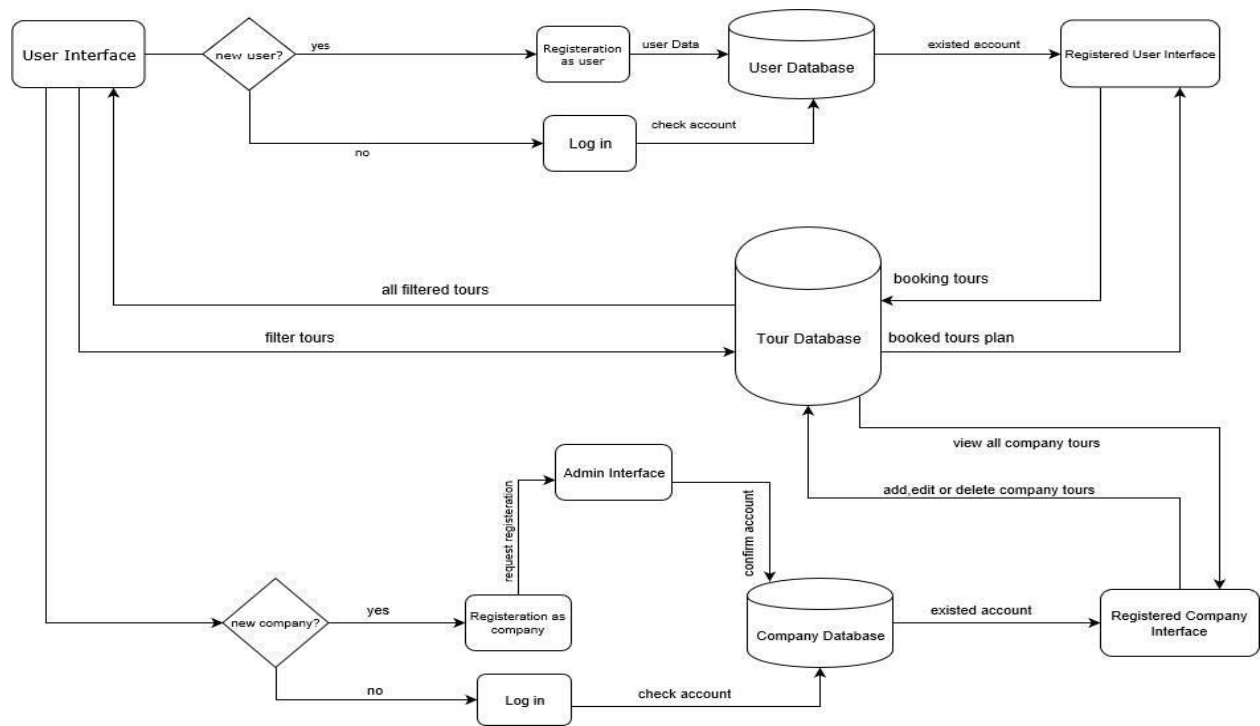


Figure 5: Customer Module Context Diagram.

Data flow diagram:



5.System Functions

5.1.customer

5.1.1 register

Name	Register	
index		
Actors	customer	
Precondition	Open web site "You tour " If customer does not have an account he will sign up in first page in web site by pressing register as customer button.	
Post condition		
	Actors	System response
	-You can log in as a user in a web site And you will enter to your home page as a user you select "customer". -User is unable to sign up for one or more reason like data is not correct.	-The system is successful The system is failure-
Steps	Actors	System response
	-User select option to Register as customer -User enter data to sign up(first name , , password ,email)	-The system prompts user for registration new account
Alternative	If you have an account you can log in.	
Description	The user have to fill the required data (first name, last-name ,email, password and other data	

5.1.2 login

Name	Log in	
index		
Actors	customer	
Precondition	If customer has an account by signing up, he will log in by pressing login button with his (Email, password).	
Post condition	Actors	System response
	<ul style="list-style-type: none"> -User will enter to your home page. -You can do available works in your page. -If user not authenticated 	<ul style="list-style-type: none"> -The system is successful -The system is failure
Steps	Actors	System response
	<ul style="list-style-type: none"> -User enter email and password -Click on login button 	<ul style="list-style-type: none"> -The system validates the entered email and password ,making sure his data is valid -The system direct to home page
Alternative	Actors	System response
	<ul style="list-style-type: none"> -If you forget your password you will enter "forget password button 	<ul style="list-style-type: none"> -The system describe why user failed authentication -The system prompts the user to reenter valid data
Description	<p>If the customer need to view his trips or see the tracking table he has to login to enter to his account.</p> <p>If email or password is not correct, a warning message will be shown "Email or Password is not correct ".</p>	

5.1.3 logout

Name	Log out	
Actors	customer	
Precondition	Press logout button.	
Post condition	You will back to first page in web site and if you want to enter to your page again log in .	
steps	Actors	System response
	User click on log out button	the system send message if user want to save changes
Alternative	None	
Description	When clicking on log out, it will log out the user from the site. The website will deal with the customer as a normal user.	

5.1.4 tracking

Name	Tracking
index	
actors	customer
Pre condition	Customer press see track button
Post conditions	The tracking is displayed
Description	<p>In order to keep the website in touch with customer</p> <p>The customer profile will allow the customer know where the rest of the group and it will send notifications to alarm the customers when an event is about to end .</p>

5.1.5 Rating

Name	Rating
Index	
Actors	customer
Description	the website allows the customer to rate his experience in this form * week ** good *** very good **** excellent
Preconditions	Clicks on the stars shapes
Post conditions	Rating is displayed

5.2.company

5.2.1 register

Name	Register	
index		
Actors	company	
Precondition	Open web site "You tour " If customer does not have an account he will sign up in first page in web site by pressing register as company button.	
Post condition		
	Actors	System response
	-You can log in as a user in a web site And you will enter to your home page as a user you select "company". -User is unable to sign up for one or more reason like data is not correct.	-The system is successful The system is failure-
Steps	Actors	System response
	-User select option to Register as company -User enter data to sign up(name , password ,address ,phone number ,emails)	-The system prompts user for registration new account
Alternative	If you have an account you can log in.	
Description	The user have to fill the required data	

5.2.2 login

Name	Log in	
index		
Actors	company	
Precondition	If company has an account by signing up, he will log in by pressing login button with his (Email, password).	
Post condition	Actors	System response
	<ul style="list-style-type: none"> -User will enter to your home page. -You can do available works in your page. -If user not authenticated 	<ul style="list-style-type: none"> -The system is successful -The system is failure
Steps	Actors	System response
	<ul style="list-style-type: none"> -User enter email and password -Click on login button 	<ul style="list-style-type: none"> -The system validates the entered email and password ,making sure his data is valid -The system direct to home page
Alternative	Actors	System response
	<ul style="list-style-type: none"> -If you forget your password you will enter "forget password button 	<ul style="list-style-type: none"> -The system describe why user failed authentication -The system prompts the user to reenter valid data
Description	<p>If company needs to add /edit /delete any trip it has to log in ..</p> <p>If email or password is not correct, a warning message will be shown "Email or Password is not correct ".</p>	

5.2.3 logout

Name	Log out	
Actors	company	
Pre-conditions	Press logout button.	
Post conditions	You will back to first page in web site and if you want to enter to your page again log in .	
steps	Actors	System response
	User click on log out button	the system send message if user want to save changes
Alternative	None	
Description	If you want to finish your works on web site click on log out. The website will deal with the company as a normal user.	

5.2.4 add/edit /delete a trip

Name	Add/ edit /delete a trip	
index		
Actors	company	
Pre-conditions	Press add/delete/ edit button.	
Post conditions	The trips are modified	
steps	Actors	System response
	Company click on add /edit /delete buttons	the system send message if user want to save changes
Description	If company need to add a new trip or edit or delete here are the fields required for doing so -trip name. -type. -begin date. -end date -description -cost -destination -durations	

5.3.user

The functions at this section can be used by any user (registered or not).

5.3.1 search

Name	search
index	
actor	User /company /customer
Description	The website allows the user to search by the trip name or destination.
Pre-conditions	The user isn't allowed to enter Numbers or symbols. Press search button.
Post conditions	The web site will show the results which match the input name

5.3.2 Destination filter

Name	Destination filter
index	
actor	User /company /customer
description	The website allows the user to search by the trip name or destination.
Outputs	the trips which match the input .
Pre-conditions	The user isn't allowed to enter numbers or symbols. Press destination filter button
Post conditions	The web site will show the results which match the input name

5.3.3 cost filter

Name	Cost filter
index	
actor	User /company /customer
Description	the website allows the user to enter the max cost he/she can afford and it will view all the trips which cost are lower than or equal the input
Pre-conditions	the user isn't allowed to enter any text or symbols. Press cost filter button.
Post conditions	The web site will show the results which match the input name

5.3.4 date filter

Name	Date filter
index	
actor	User /customer /company
Description	the website allows the user to enter the date in this format dd /mm/yy to dd/mm/yy
Pre-conditions	The user isn't allowed to enter text or Symbols. Press the data filter button.
Post conditions	the trips which date is between the selected interval.

5.4.admin

5.4.1 login

Name	Log in	
index		
Actors	admin	
Precondition	If admin has an account by signing up, he will log in by pressing login button with his (Email, password).	
Post condition	Actors	System response
	-User will enter to your home page. -You can do available works in your page. -If user not authenticated	-The system is successful -The system is failure
Steps	Actors	System response
	-User enter email and password -Click on login button	-The system validates the entered email and password ,making sure his data is valid -The system direct to home page
Alternative	Actors	System response
	-If you forget your password you will enter "forget password button	-The system describe why user failed authentication -The system prompts the user to reenter valid data
Description	If admin needs to get access the website he 'll have to log in . If email or password is not correct, a warning message will be shown "Email or Password is not correct ".	

5.4.2 add company

Name	Add company
index	
actor	admin
description	admins have all rights to check the identity of any company before letting it have an account on the web site ,also admin can add any company (make an account for it)
Pre-conditions	Admins have to log in
Post conditions	Users are modified

5.2.3 add/edit /delete a trip

Name	Add/ edit /delete a trip	
index		
Actors	admin	
Pre-conditions	Press add/delete/ edit button.	
Post conditions	trips are modified	
steps	Actors	System response
	Admin click on add /edit /delete buttons	the system send message if user want to save changes
Description	Admins may be responsible for some company accounts so they will add /edit /delete their trips and here are the required fields of doing so -type. -begin date. -end date -description -cost -destination -durations	

5.4.4 remove customer /company

Name	Delete customer /company
index	
actor	admin
description	admins have all rights remove any customer or company account according to policy terms
Pre-conditions	Admins have to log in
Post conditions	Users are modified

5.4.5 logout

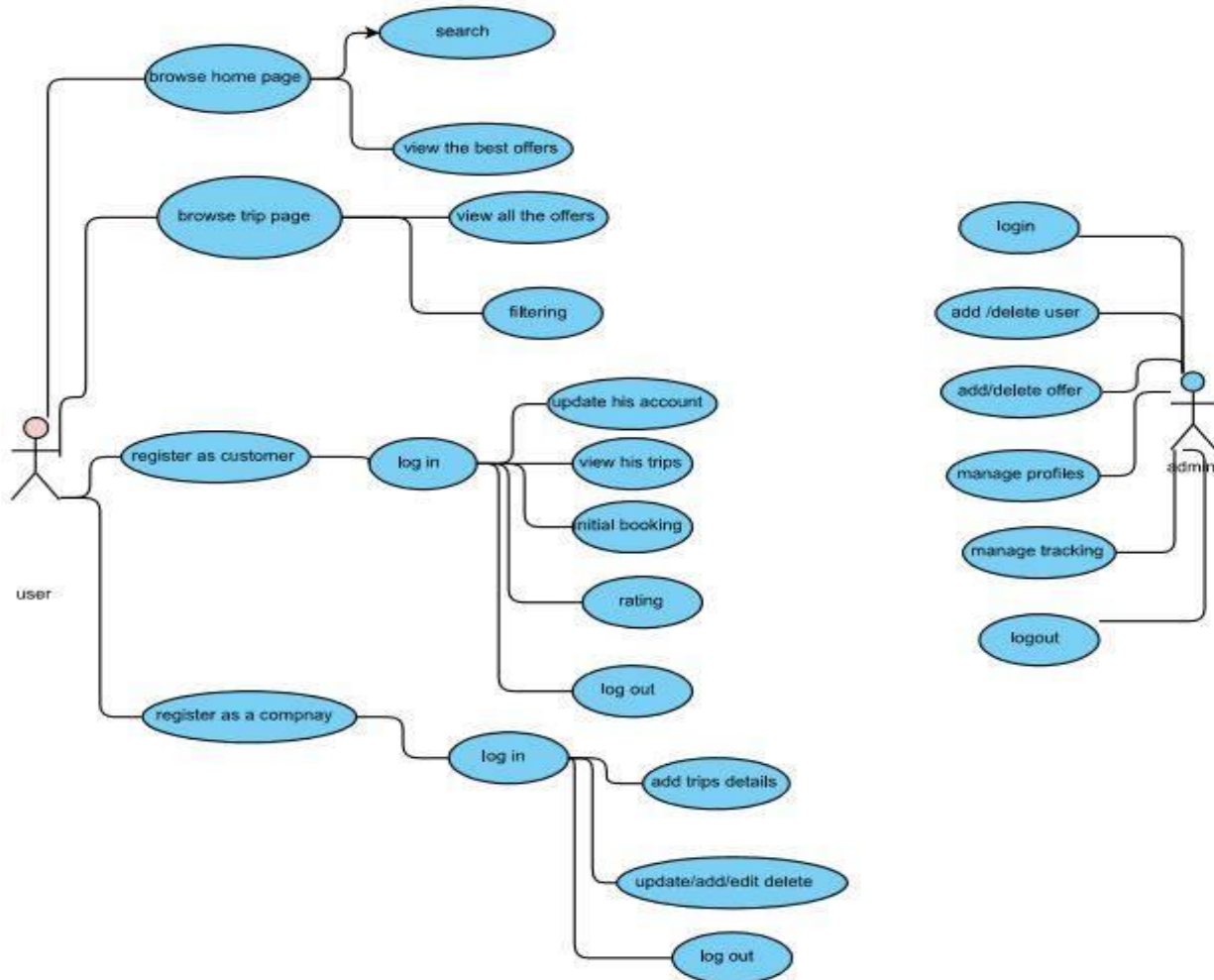
Name	Log out	
Actors	admin	
Precondition	Press logout button.	
Post condition	You will back to first page in web site and if you want to enter to your page again log in .	
steps	Actors	System response
	User click on log out button	the system send message if user want to save changes
Alternative	None	
Description	When clicking on log out, it will log out the user from the site. The website will deal with the admin as a normal user.	

6. System models

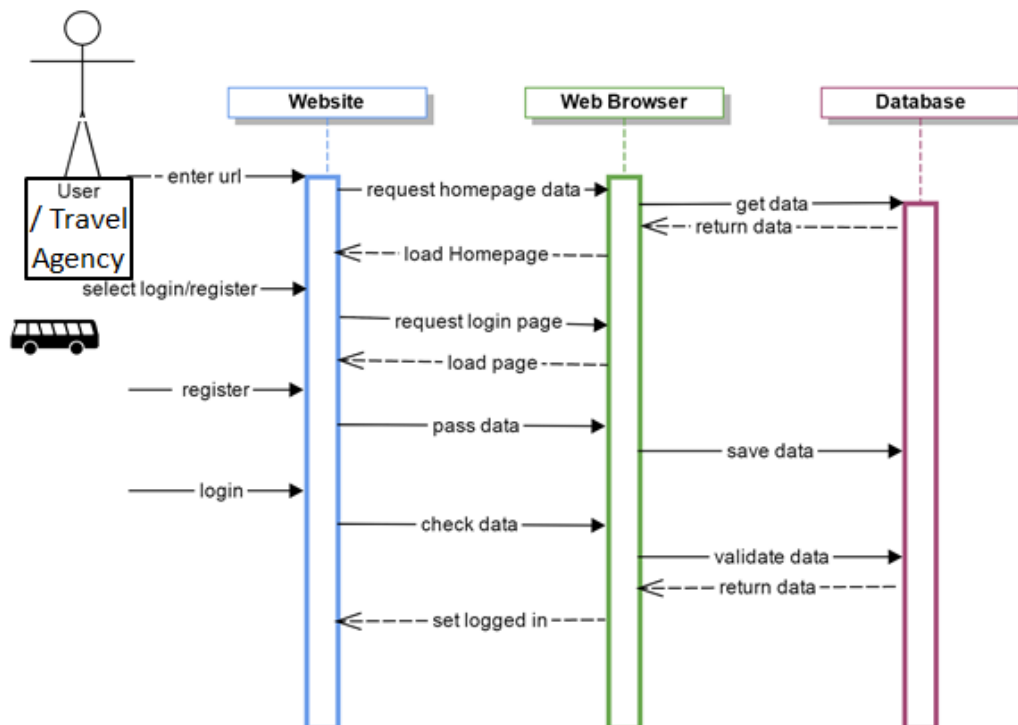
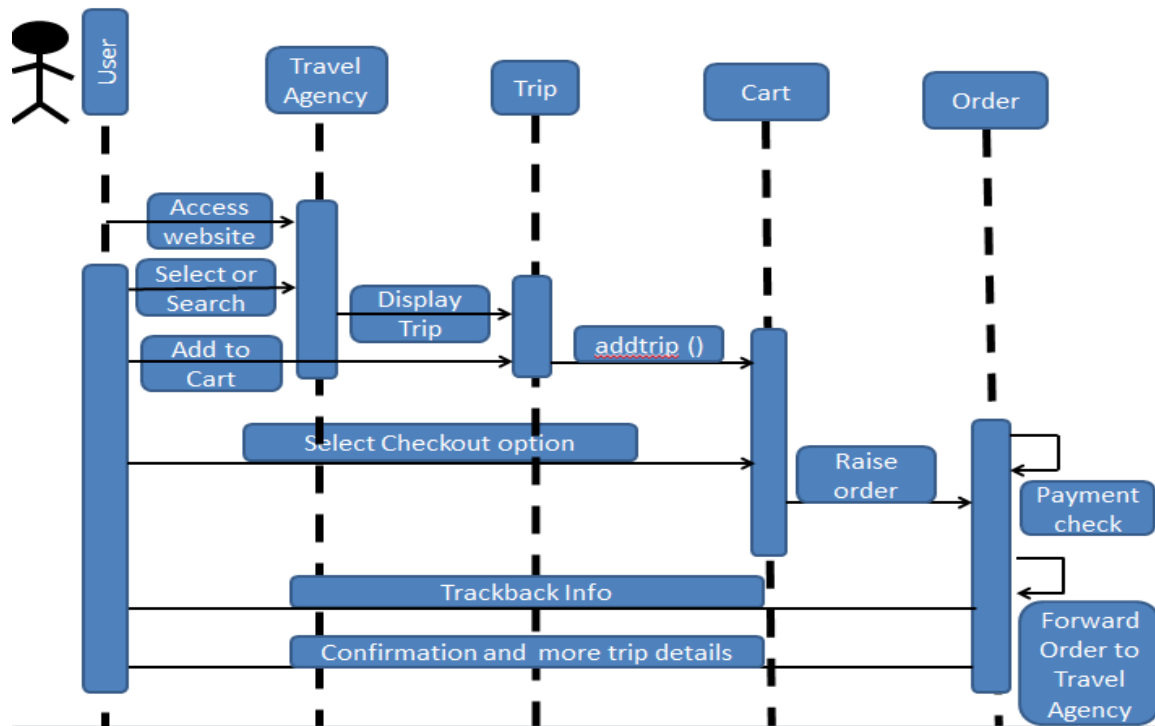
6.1. User and administrator use case

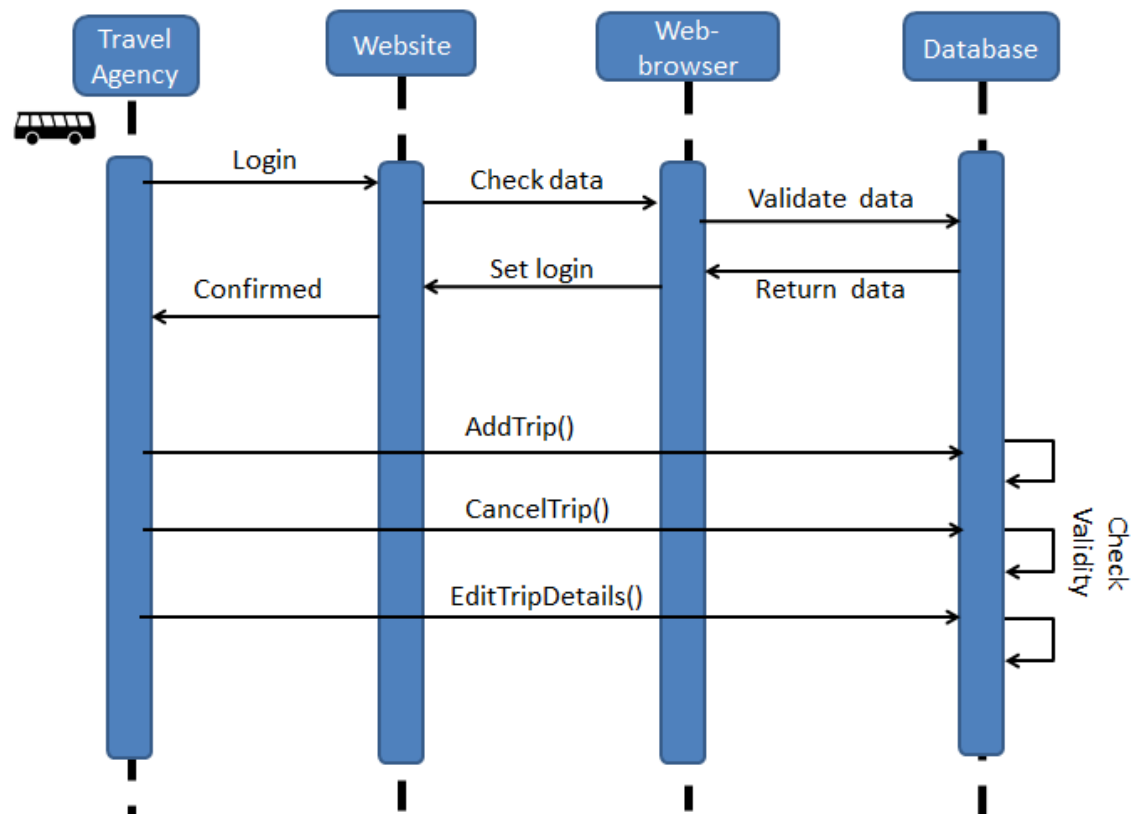
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Preview



6.2. sequence diagram





7.Nonfunctional Requirements

7.1. Performance

The system shall respond to the member in a short time.

The system shall be allowed to take more time when doing large processing jobs.

7.2. Security

The system will be reliable.

The System will have different type of users and every user has access constraints after entering the password the user can access his profile.

The details of the user will be safe and secure.

7.3. Availability

The system is available for the user at any time.

7.4. Accuracy

The requirement and the system will be clear enough and more accurate with every process will be done on the system.

If unable to process the request then appropriate error message.

7.5.Usability

The system is user friendly and online help makes using the system easy Reliability.

The system will be protected well from failure and there will be a strategy for error detection and correction.

8. Domain requirements

There are some places can't be visited at any time of year. There are specific times at which you can launch a trip for, these places just like Luxor and Aswan, it is better for you as a tourist to visit them in the winter not in the summer as it is too hot in these places in summer which can affect the fun of the trip badly.

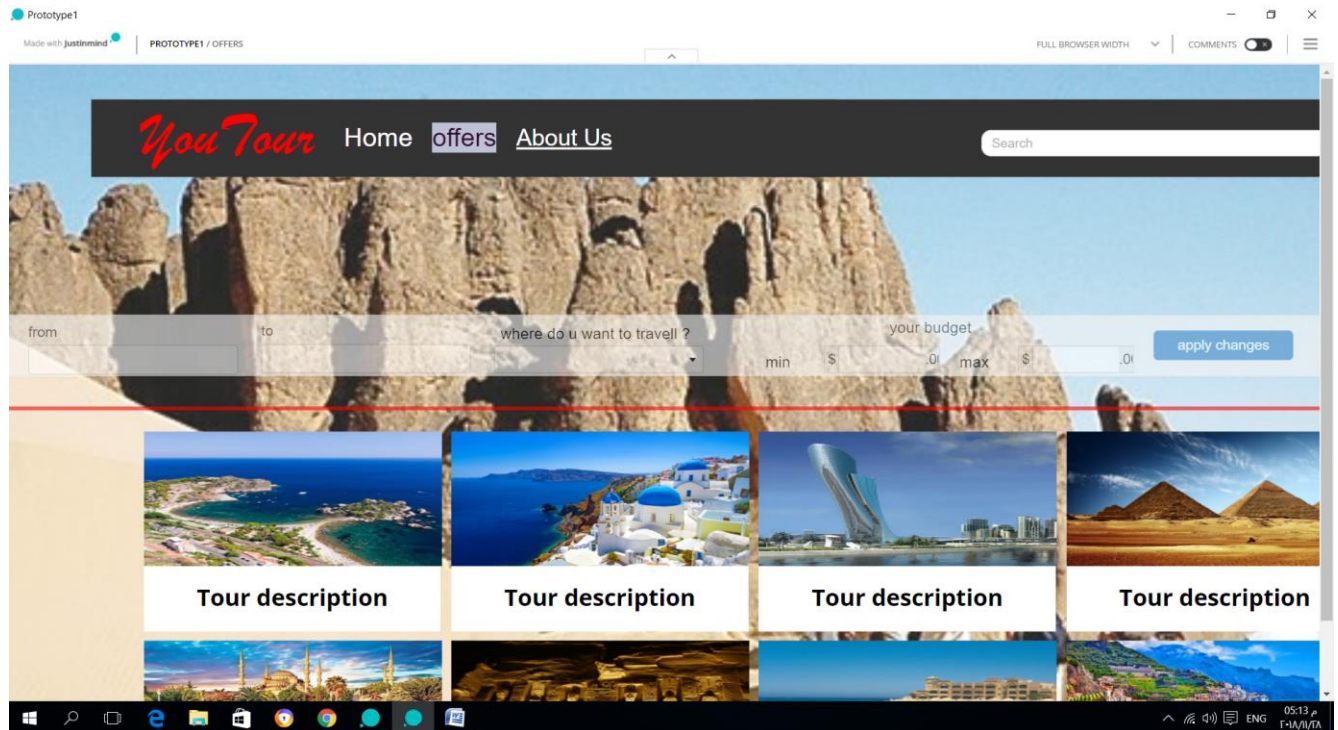
There are also some places can't be visited at any time of the day as they have specific times after which these places are closed just like museums , they are always closed early, around at 5pm.

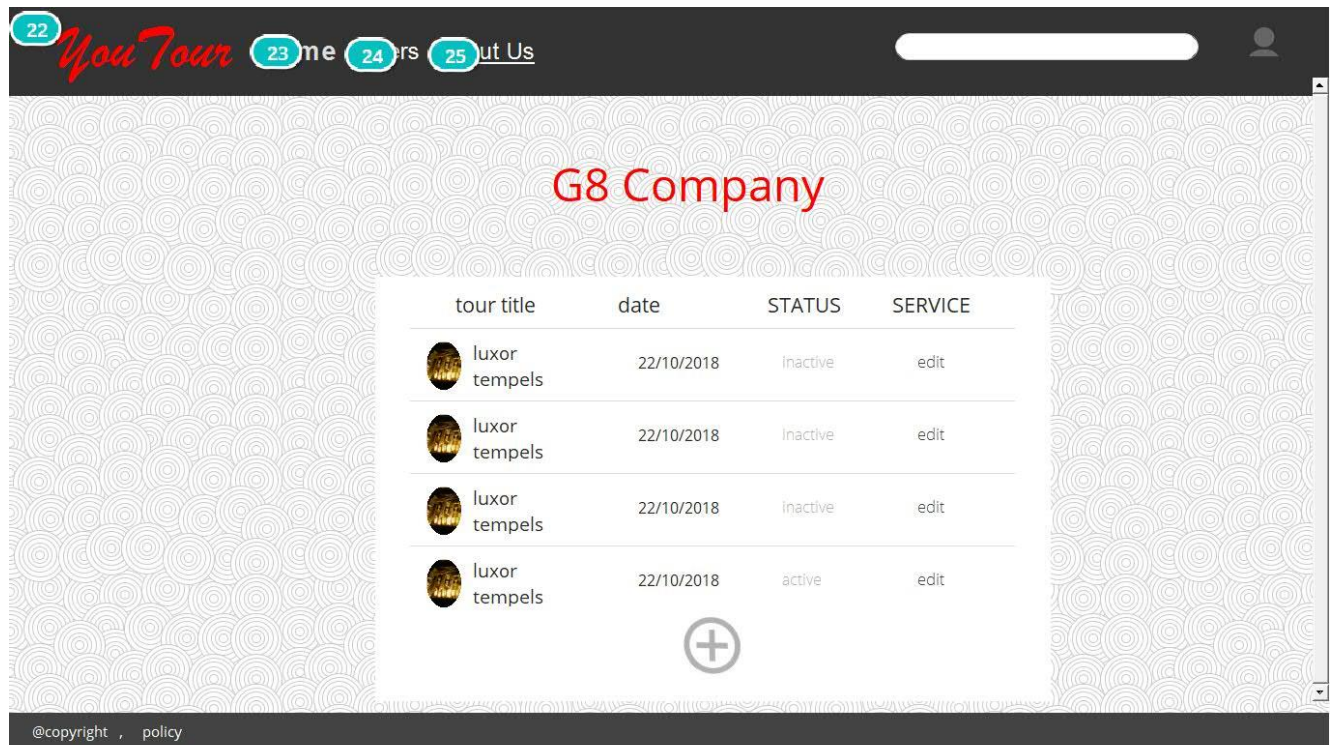
For camping also there are some dangerous places, for example not everywhere in saint catherine you can camp in there some places which are not prepared and have no signal so it is a risk to camp in such places.

9. System interface

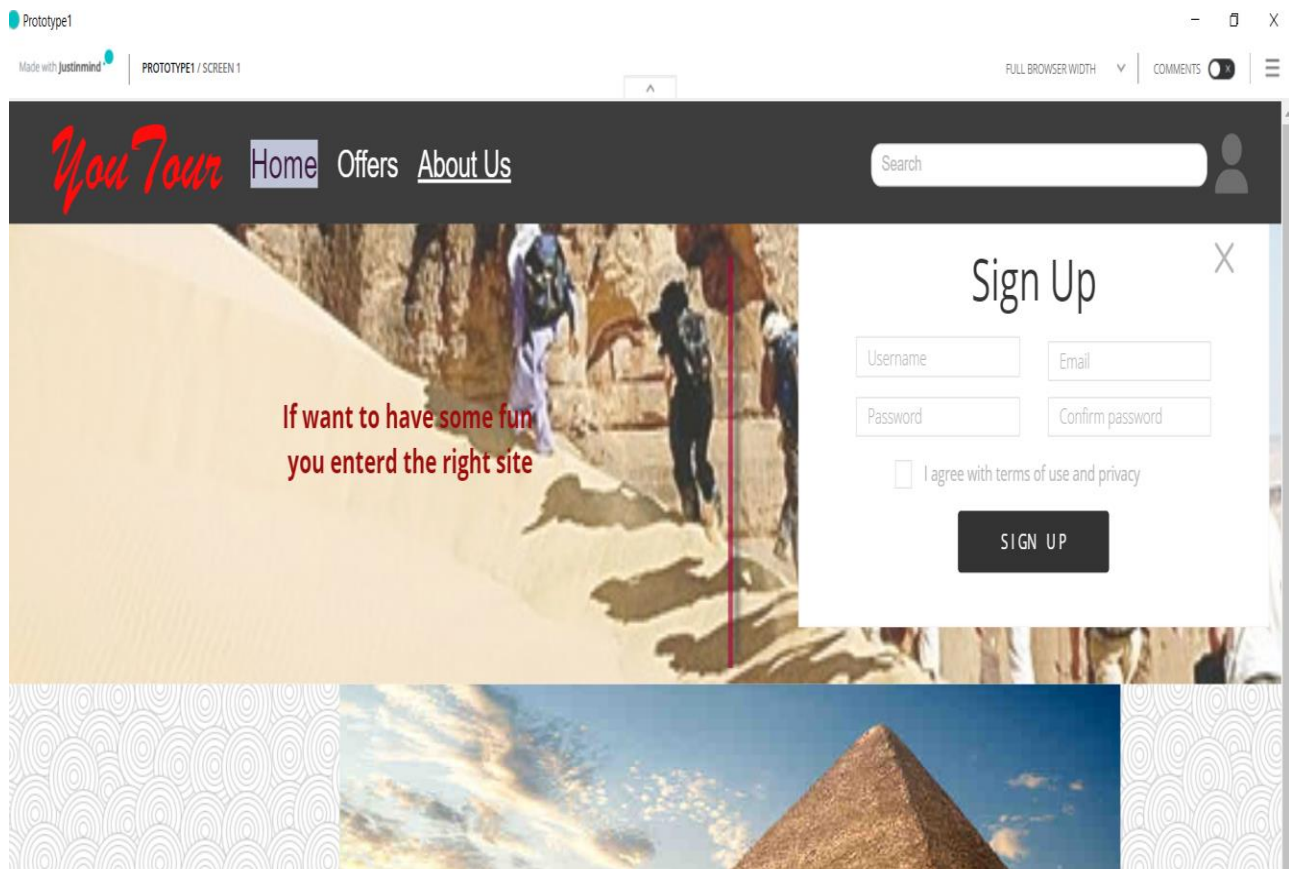
9.1 user interface:

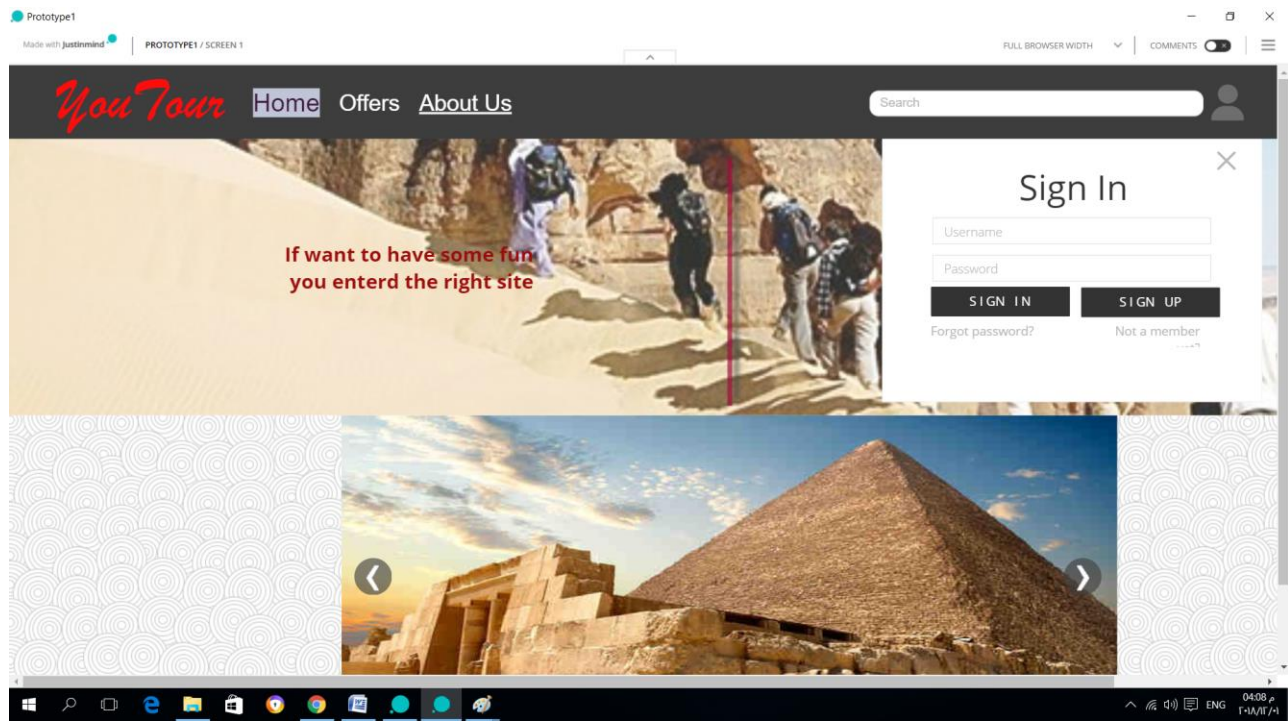
1. customer can see offers , rate for trips , search for the trips according to the appropriate cost and duration for him

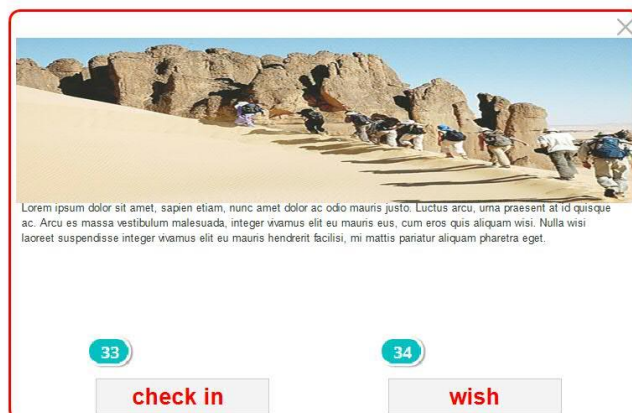
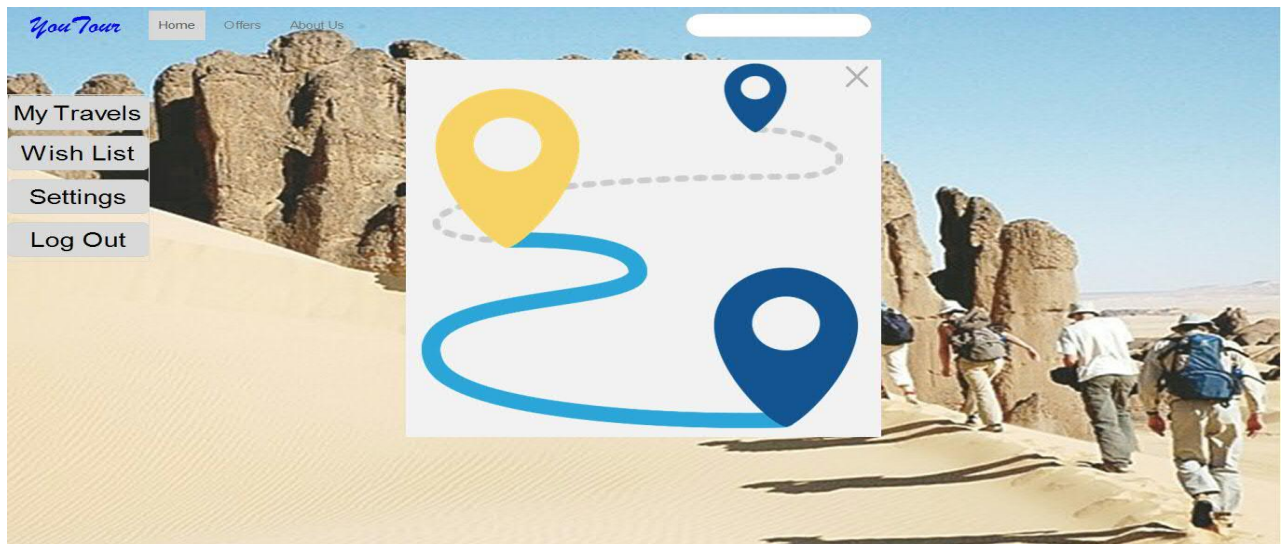




2.customer can make an account by signing up then logging in which manages him of rating trips , making initial booking and viewing the trips he has chosen.







3.Also we have another users who are the companies they can add details for trips , update , edit or delete a trip through their accounts .

