

Sam Stepter
11/27/2022
System Requirements Documentation

Hotel Tango System Requirements Documentation

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11/27/2022

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System Requirements

Functional Requirements

Req #	Description
Req 1	- The Hotel Tango app must be able to add, modify, remove, sort, filter and view all reservations.
Req 2	- The system must be auditable and can track all system changes.
Req 3	- The Hotel Tango app must allow Hotel Tango employees to add, modify, remove, sort, filter and view reservation information
Req 4	- The Hotel Tango app must be able to add, modify, remove, sort, filter and view all customer information.
Req 5	- They system must be able to be restored to a specific point-in-time.
Req 6	- The database must be able to be viewed in the event that Hotel Tango wants to view raw data.
Req 7	- The Hotel Tango app must allow Hotel Tango employees to add, modify, remove, sort, filter and view hotel rooms and room types.
Req 8	- The Hotel Tango app must be able to generate a unique WIFI code per customer.
Req 9	- The Hotel Tango app must allow the creation of unique credential for all users.
Req 10	- The Hotel Tango app must have automated email for new user creation.

Prioritization Matrix

Req #	Importance to customer Rate 1-5 High = 5 Low = 1		Likelihood of success Rate 1-5 High = 5 Low = 1		Cost Reduction Rate 1-5 High = 5 Low = 1		Leverage (Positive impact on other processes) Rate 1-5 High = 5 Low = 1		Total Project Priority Rate 1-5 High = 5 Low = 1
Req 1	5	+	5	+	5	+	5	=	20
Req 2	3	+	5	+	1	+	2	=	11
Req 3	4	+	4	+	5	+	5	=	18
Req 4	5	+	5	+	5	+	5	=	20
Req 5	5	+	5	+	1	+	1	=	12
Req 6	2	+	5	+	1	+	2	=	10
Req 7	5	+	5	+	5	+	3	=	18
Req 8	5	+	5	+	2	+	5	=	17
Req 9	5	+	5	+	0	+	5	=	15
Req 10	5	+	5	+	0	+	5	=	15

Non-Functional Requirements

- The Hotel Tango app must be easy to use.
- The Hotel Tango app must be easily deployed.
- The system must be fast.
- The home page must contain a picture of Hotel Tango.
- The system must minimize licensing costs.
- The Hotel Tango app must allow for simultaneous action from multiple users at a given time.
- The Hotel Tango app must include a privacy statement.

Technical Requirements

C# Classes

- Customer
 - o This class will hold customer information and will be sent/returned from the database and presented to a webform.
- Reservation
 - o This class will hold reservation information and WIFI code, this information will be sent/returned from the database and presented to a webform.
- Room
 - o This class will hold room information and will be sent/returned from the database and presented to a webform.
- RoomType
 - o This class will hold all of the attributes of a given room type. This information will be sent/returned from the database and presented to a web form.

C# Web Forms

- Customer Web Form
- Login Web Form
- Reservation Web Form
- Room Web Form
- Room Type Web Form

SQL Server Database

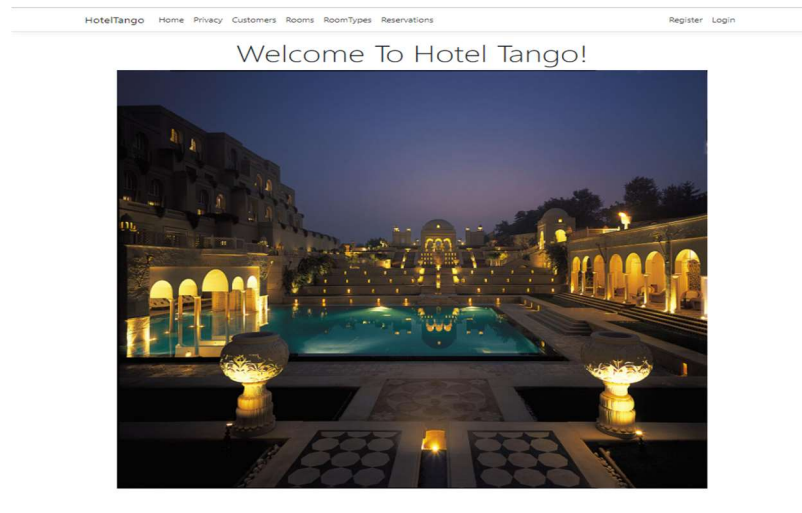
- This database will be used to store structured data and interact with the Hotel Tango app.

User Interface Requirements

- Home Screen must contain a photo of Hotel tango, login info and a nav bar.
- All web forms must have a search box and sort button.
- User must authenticate prior to being able to commit actions in all web forms.

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Home Screen



Customer

Index

Browser address bar: <https://localhost:44351/Customers>

HotelTango Home Privacy Customers Rooms RoomTypes Reservations Register Login

All Customers

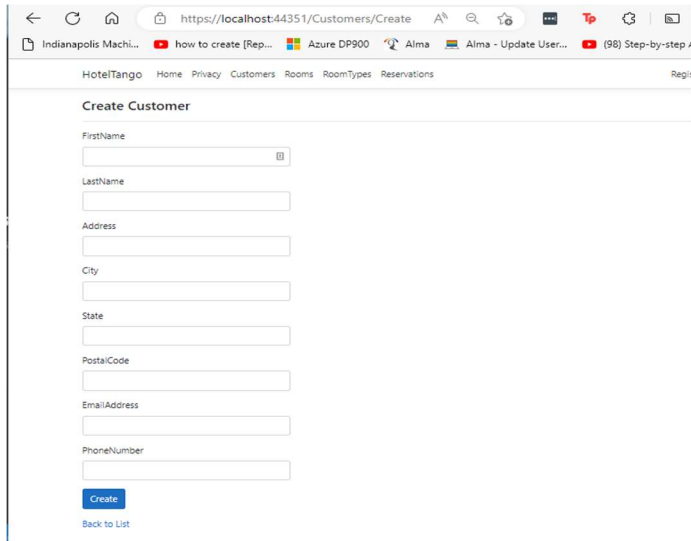
[Create New](#)

Find by Name: [Search](#) [Back to Full List](#)

Id	FirstName	LastName	Address	City	State	PostalCode	EmailAddress	PhoneNumber	
1	Sam	Stepter	1004 Fox Hill Dr	Indianapolis	In	46228	sstepter@gmail.com	6307474075	Edit Details Delete
2	Luke	Cage	123 Harlem Ave	Brooklyn	NY	46202	lcage@gmail.com	313-311-1111	Edit Details Delete
428	Thierry	D'Hers	1970 Napa Ct.	Bothell	WA	98011	thierry0@adventure-works.com	168-555-0183	Edit Details Delete
429	Vamsi	Kuppa	9833 Mt. Dias Blv.	Bothell	WA	98011	vamsi0@adventure-works.com	937-555-0137	Edit Details Delete
430	Syed	Abbas	7484 Roundtree Drive	Bothell	WA	98011	syed0@adventure-works.com	926-555-0182	Edit Details Delete

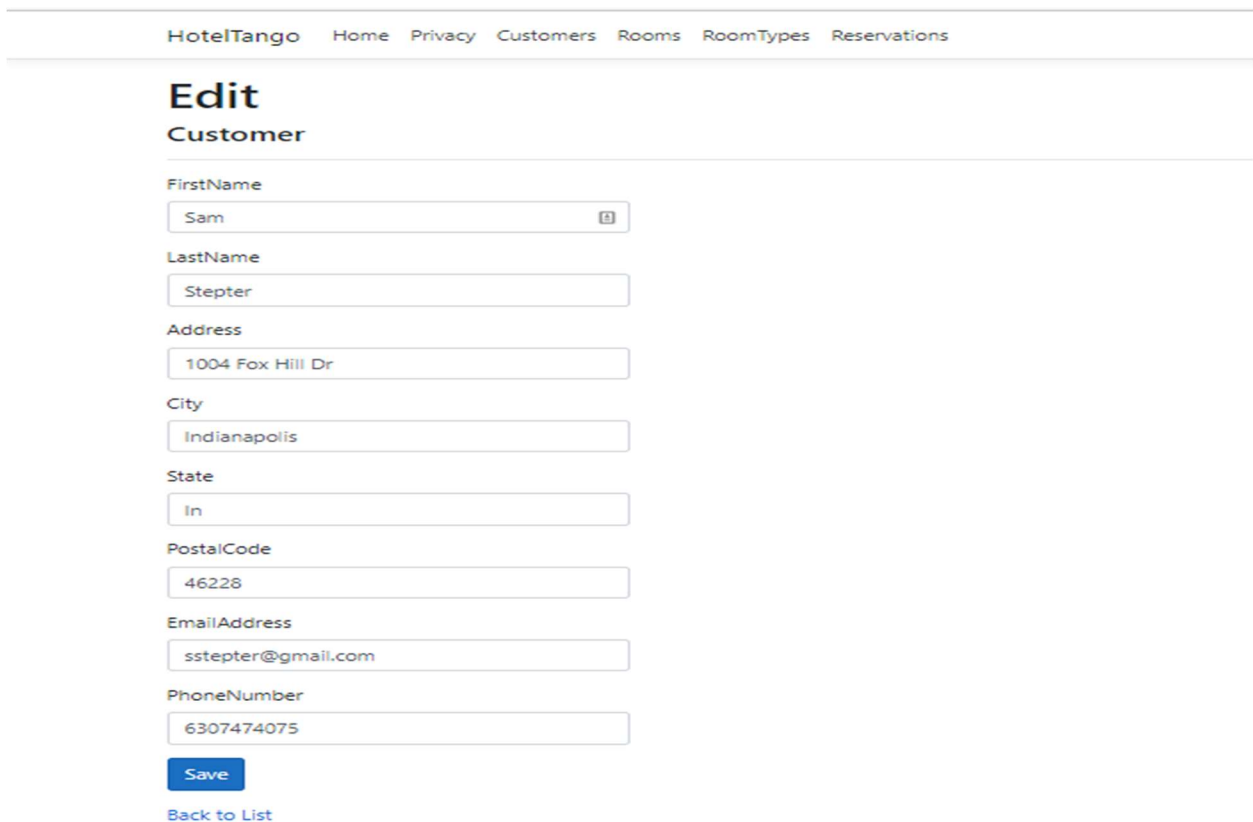
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Create



A screenshot of a web browser showing the 'Create Customer' form. The browser's address bar displays 'https://localhost:44351/Customers/Create'. The page has a navigation bar with links: 'HotelTango', 'Home', 'Privacy', 'Customers', 'Rooms', 'RoomTypes', 'Reservations', and 'Regis'. The form is titled 'Create Customer' and contains the following fields: 'FirstName' (with a small icon), 'LastName', 'Address', 'City', 'State', 'PostalCode', 'EmailAddress', and 'PhoneNumber'. A blue 'Create' button is at the bottom, followed by a 'Back to List' link.

Edit



A screenshot of a web browser showing the 'Edit Customer' form. The browser's address bar displays 'https://localhost:44351/Customers/Edit'. The page has a navigation bar with links: 'HotelTango', 'Home', 'Privacy', 'Customers', 'Rooms', 'RoomTypes', 'Reservations', and 'Regis'. The form is titled 'Edit Customer' and contains the following fields: 'FirstName' (with a small icon and the value 'Sam'), 'LastName' (with the value 'Stepter'), 'Address' (with the value '1004 Fox Hill Dr'), 'City' (with the value 'Indianapolis'), 'State' (with the value 'In'), 'PostalCode' (with the value '46228'), 'EmailAddress' (with the value 'sstepter@gmail.com'), and 'PhoneNumber' (with the value '6307474075'). A blue 'Save' button is at the bottom, followed by a 'Back to List' link.

Delete

[HotelTango](#) [Home](#) [Privacy](#) [Customers](#) [Rooms](#) [RoomTypes](#) [Reservations](#)

Delete

Are you sure you want to delete this?

Customer

FirstName Sam
LastName Stepter
Address 1004 Fox Hill Dr
City Indianapolis
State In
PostalCode 46228
EmailAddress sstepter@gmail.com
PhoneNumber 6307474075

[Delete](#) | [Back to List](#)

Room

Index

[HotelTango](#) [Home](#) [Privacy](#) [Customers](#) [Rooms](#) [RoomTypes](#) [Reservations](#)

[Register](#) [Login](#)

All Rooms

[Create New Room](#)

Find by Name: [Search](#) [Back to Full List](#)

Id	RoomNumber	RoomTypeName	BedType	NumberOfBeds	RoomRate	
1	101	Single Bedroom Suite	Double	1	79	Edit Details Delete
2	102	Single Bedroom Suite	Double	1	79	Edit Details Delete
3	103	Double Bedroom Suite	Double	2	99	Edit Details Delete
4	104	Single Queen Bed Suite	Queen	1	139	Edit Details Delete
5	105	Single Queen Bed Suite	Queen	1	139	Edit Details Delete

Edit

HotelTango Home Privacy Customers Rooms RoomTypes Reservations

Edit Room

RoomNumber

RoomTypeID

1 ▼

Save

[Back to List](#)

Delete

HotelTango Home Privacy Customers Rooms RoomTypes Reservations

Delete Room

RoomNumber	101
RoomType	1

Delete

 | [Back to List](#)

Create

HotelTango Home Privacy Customers Rooms RoomTypes Reservations

Create New Room

RoomNumber

RoomTypeID

1 ▼

Create

[Back to List](#)

RoomType

[Index](#)

HotelTango	Home	Privacy	Customers	Rooms	RoomTypes	Reservations	Register	Login
All RoomTypes								
Create New RoomType								
Find by Name: <input type="text"/> <input type="button" value="Search"/> Back to Full List								
Id	RoomTypeName	BedType	NumberOfBeds	RoomRate				
1	Single Bedroom Suite	Double	1	79	Edit Details Delete			
2	Double Bedroom Suite	Double	2	99	Edit Details Delete			
3	Single Queen Bed Suite	Queen	1	139	Edit Details Delete			
4	Double Queen Bed Suite	Queen	2	129	Edit Details Delete			

[Create](#)

HotelTango	Home	Privacy	Customers	Rooms	RoomTypes	Reservations
----------------------------	----------------------	-------------------------	---------------------------	-----------------------	---------------------------	------------------------------

Create RoomType

RoomTypeName

BedType

NumberOfBeds

RoomRate

[Back to List](#)

Edit

[HotelTango](#) [Home](#) [Privacy](#) [Customers](#) [Rooms](#) [RoomTypes](#) [Reservations](#)

Edit RoomType

RoomTypeName

BedType

NumberOfBeds

RoomRate

[Save](#)

[Back to List](#)

Delete

[HotelTango](#) [Home](#) [Privacy](#) [Customers](#) [Rooms](#) [RoomTypes](#) [Reservations](#)

Are you sure you want to delete this RoomType?

RoomTypeName	Single Bedroom Suite
BedType	Double
NumberOfBeds	1
RoomRate	79

[Delete](#) | [Back to List](#)

Edit

HotelTango Home Privacy Customers Rooms RoomTypes Reservations

Edit

Reservation

CustomerID

RoomID

StartDate

EndDate

[Back to List](#)

Delete

HotelTango Home Privacy Customers Rooms RoomTypes Reservations

Delete

Are you sure you want to delete this?

Reservation

Customer	434
Room	3
WIFI_Passcode	260b0d6b8
StartDate	11/23/2022 12:06:00 PM
EndDate	11/25/2022 12:06:00 PM

| [Back to List](#)

Login/Registration

Register

[HotelTango](#) [Home](#) [Privacy](#) [Customers](#) [Rooms](#) [RoomTypes](#) [Reservations](#) [Register](#) [Login](#)

Register

Create a new account.

Email

Password

Confirm password

Use another service to register.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

Login

[HotelTango](#) [Home](#) [Privacy](#) [Customers](#) [Rooms](#) [RoomTypes](#) [Reservations](#) [Register](#) [Login](#)

Log in

Use a local account to log in.

Email

Password

☐ Remember me?

[Forgot your password?](#)

[Register as a new user](#)

Use another service to log in.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.