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PROFESSIONAL SUMMARY

- Passionate Technology Enthusiastic and life-long student working towards professional certifications in Cloud AWS, JavaScript Algorithms, Data Analysis & Visualization, and ML - AI
- Expertise utilizing web development technologies such as JavaScript, NodeJS, C#, ASP.NET, ...
- APEGA + ASET member, Professional Licensee (Eng.), Professional Technologist (Eng.)
- 17 years of data collection - management, quality assurance, and automated testing of various applications in oil, natural gas, manufacturing, and municipal water sectors to solve problems.
- Creative Thinking, Communication, Time Management, Decision Making, Organization and Docs.

Ceti's Travel Experts Project

Topic: Travel Experts Desktop application

Creation of a graphical interface (GUI) with a user-friendly navigation for viewing and modifying data by using C# and .NET programming languages with SQL Server – “Travel Experts” database.

Description:

Travel Experts employees-agents need an application to administer the data stored on their database. At this point, agents have identified the most important tables (see below) and a prototype will be developed to access these tables in the “Travel Experts” database.

Tables that are part of the project:

“Packages”, “Products”, “Products-suppliers”, “Suppliers”, and “Packages-products-suppliers”.

The agents need to add/edit travel packages. This function must allow the agent to enter data for the package and select from a product list to add products/suppliers to the package.

Data need to be validated before creating a package as per following requirements:

- a) The agent’s commission can’t be greater than the base price of the package
- b) The package end date must be later than package start date
- c) Package name and package description cannot be null

Application needs functionality that will allow the agents to maintain their data in the following tables “Products”, “Products-suppliers”, “Suppliers”. The application will also require simply add/remove.

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Deliverables:

“Main” form displays 5 buttons which lead to respective forms named after the tables (see below).

- 1a. “View Packages” button will open “Packages Form” form and display packages Id, Name, Description, Start Date, End Date, Base Price, and Commission.
On this “Packages Form” will also be displayed four other buttons, as per below functionality:
 - 1.a.1) Add New Package button brings up “Form New Package” form where agent can add/save a new package to the database by filling out required information.
 - 1.a.2) Edit Package button brings up “Form New Package” form where agent can edit all info, but Package Id which is only read.
 - 1.a.3) Remove Package button will remove any existing or added/edited package from the “Packages Form” form.
 - 1.a.4) View/Edit Package Products button brings up “Form Pkg Products” form where agent can select a Product, associate a supplier to it, and then upon clicking on Add Product/Supplier button it adds the selected Product + Supplier to the “Form Pkg Products” form.
- 1.b Data need to be validated before creating a package as per following requirements:
 - 1.b.1) The agent’s commission is not greater than the base price of the package. If it is than a message such as “Commission must be less than Base Price” will appear.
 - 1.b.2) The package end date is later than package start date. If it is not than a message such as “End date must be greater than the start date” will appear.
 - 1.b.3) Package name and package description are not null. If they are both null than the following messages “Package description is a required field” and “Package Name is a required field” will appear.
2. “Supplier Products” button will open “Form Suppliers” form where agent can upon a listed Supplier: select a listed Product from the list-box provided and after clicking on Add Product button can add the Product to the list of Products for the Supplier chosen.
Clicking on Remove button the added Product can be removed from the Products list of the Supplier chosen.
3. “Product Suppliers” button will open “Form Products” form where agent can upon a listed Product: select a listed Supplier from the list-box provided and clicking on Add Supplier button can add a Supplier to the list of the Suppliers for the Product chosen.
Clicking on Remove button the added Supplier can be removed from Supplier’s list of the Product chosen.
4. “Products” button will bring up “Form Products” form where agent can add or remove a product to the “Form Products” form.
5. “Suppliers” button will bring up “Form Suppliers” form where agent can add or remove a product to the “Form Suppliers” form.