

.NET DEVELOPER SR

FRONTEND + BACKEND
EVALUATION TASK



netbii's

GOAL

Create HTML code (aspx) for a Registration form

- Feel free to improvise, it's not a HTML position, so just do your best

Form validation

- Using .NET and/or JavaScript/CSS (Jquery or Native javascript)

Model and create database: Tables and SPs (SQL Server)

- Fields/Columns needs to be created based on the rules and form's fields

Create a Web C# Application (website) integrated with the HTML (aspx)

- Using .NET Framework 4.0

BUSINESS RULES – STEP 1

In order to the user register on the website he will have to provide a valid document number

Only users that types a valid document number can go to step 2

- We need to store a list of valid documents numbers in a database (table). The application needs to check if the number typed by the user exists in this table

In case the document number does not exists in the database, a friendly message will be displayed to the user

In case of a valid document number the step 2 needs to be displayed to the user

- Has no restriction of how many times the same document number can be used

BUSINESS RULES – STEP 2

On step 2, we need to show the document number (valid) typed by the user on step 1

- This number cannot be edit, its read only

All fields marked with * are required and cannot be empty

- In case of any required fields are not filled up, needs to show a friendly error (css - red border) as showed on the PSD File

The email field is UNIQUE. The registration cannot accept an email that already exists on the database

- In case of an existing email address, needs to show a friendly (css) error

FRONTEND

Step1-Pop-Document.psd / Step1-Pop-Document-NotValid.psd

- This is the first step for the registration form
- It needs to be opened in a “Popup”
 - We suggest to use “colorbox” or “fancybox”
 - Others Javascript solutions are accepted
- The textbox is required in prior to submit the form
 - In case of empty content show red borders (css)
- In case the document number does not exist on the database show the message above

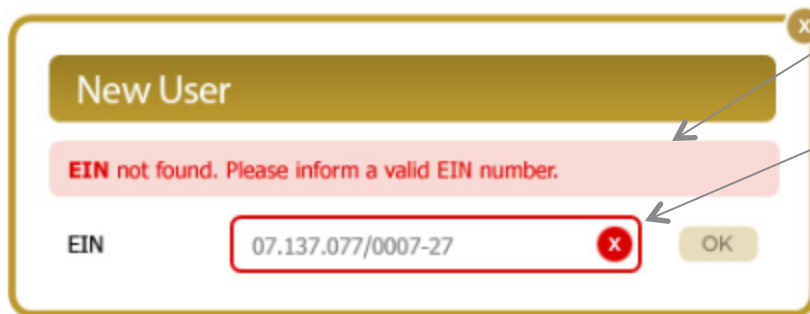
FRONTEND

Step1-Pop-Document.psd / Step1-Pop-Document-NotValid.psd



A screenshot of a 'New User' form. It has a title bar 'New User' and a close button 'x'. Below the title bar is a label 'EIN' followed by an empty text input field with a placeholder mask '____/____/____'. To the right of the input field is an 'OK' button.

This message shows if the typed number does not exist in the database



A screenshot of the 'New User' form showing a validation error. The title bar 'New User' and close button 'x' are at the top. Below the title bar is a red error message: 'EIN not found. Please inform a valid EIN number.' Below the error message is the label 'EIN' followed by a text input field containing the value '07.137.077/0007-27'. The input field has a red border and a red 'x' icon in its bottom right corner. To the right of the input field is an 'OK' button.

Required field validation. Shows the border in case the user submit the form without typing the number

FRONTEND

Step2-Pop-Document-Register.psd

New User

EIN: 13.222.222/0001-51

* required fields.

Company Name*: My Company

Street name*: Broad St

Number*: 55 Suite/Apt: 11C

City*: New York

State*: NY

Zipcode*: 11210

Main Contact*:

Position*:

E-mail*:

Confirm E-mail*:

Password*:

Phone*: () - -

☒ I want to receive **Promotions** by email.

☐ I want to be called by a specialist.

SEND

Number typed by the user on step 1

In case the email already exists on the DB, needs to show a message like this one:

EIN not found. Please inform a valid EIN number.

Required field validation. Shows the border in case the user submit the form without typing the number

BACKEND

You are allowed to use any structure that you desire

I.e. BLL & DAL layers or MVC or anything that you use to work

Database MUST be **SQL Server 2008** (Express version or any other version)

Database queries (C# -> DB) needs to be done by using Stored Procedures (insert and selects)

You will need to provide the database scripts with the final deliver

The application needs to be created using **Visual Studio 2010**



DELIVER

Zip or rar file containing all ASPX and C# files – Visual Studio Solution

All required database scripts

It includes create table, create procedure, any data poluation, such as inserts

In case needs, any specific configuration or folder permission

Any additional DLL or external library used in the project