

Documentație Client

Subsemnatul Belu Cătălin-Cosmin, declar pe propria răspundere că acest cod nu a fost copiat din internet sau din alte surse. Pentru documentare am folosit următoarele surse:

<https://profs.info.uaic.ro/~iasimin/>

<https://stackoverflow.com/>

<https://docs.microsoft.com/en-us/windows/win32/wmp/embedding-the-windows-media-player-control-in-a-c--solution>

<https://www.c-sharpcorner.com/UploadFile/mahesh/openfiledialog-in-C-Sharp/>

<https://stackoverflow.com/questions/40887911/fill-combobox-windows-form-application?rq=1>

<https://docs.microsoft.com/en-us/dotnet/api/system.windows.forms.messagebox?view=netframework-4.8>

-Am adaugat fisierul proxy.cs: este cel generat automat folosind comanda

svcutil http://localhost:8004/PC -out:proxy.cs -config:app.config

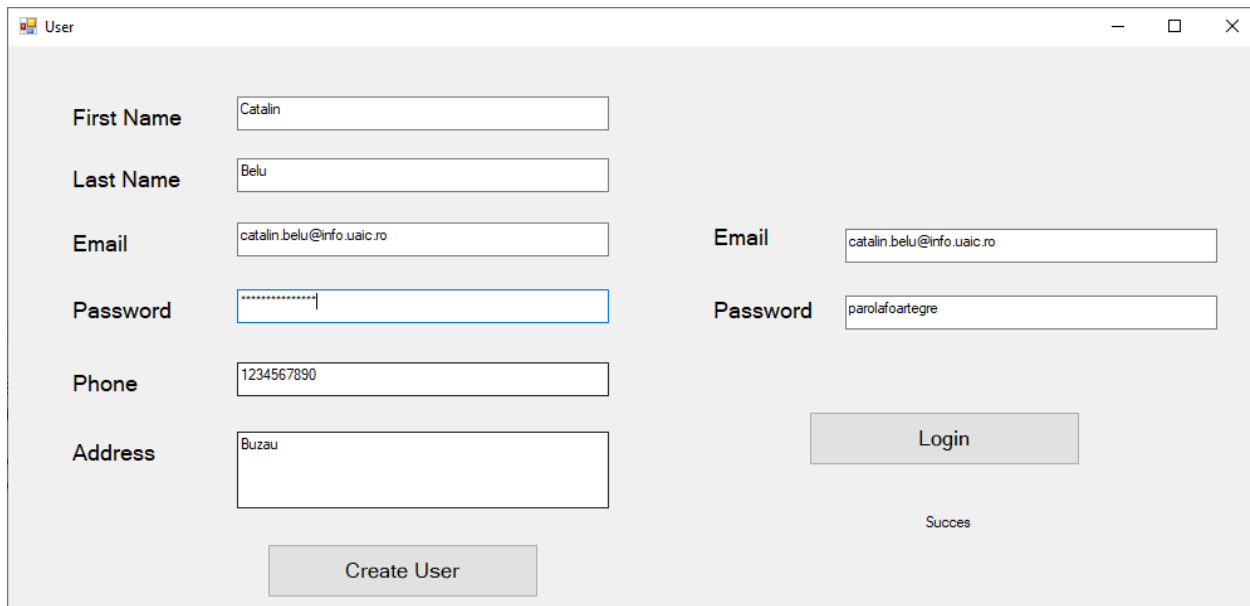
-In fisierul app.config initial am adaugat si configuratia necesara clientului pentru a se conecta la host, cea generate de comanda de mai sus:

```
<system.serviceModel>
  <bindings>
    <basicHttpBinding>
      <binding name="BasicHttpBinding_IProject" />
    </basicHttpBinding>
  </bindings>
  <client>
    <endpoint address="http://localhost:8004/PC" binding="basicHttpBinding"
      bindingConfiguration="BasicHttpBinding_IProject" contract="IProject"
      name="BasicHttpBinding_IProject" />
  </client>
</system.serviceModel>
```

Am adus modificari esentiale form-urilor, implementand mare parte din functionalitatea ceruta in proiect. Pe langa asta toate metodele pe care le apelam initial din API, acum sunt apelate din proxy (care foloseste serviciul nostru ObjectWCF).

Voi descrie mai jos functionalitatile actuale pentru fiecare form:

User:

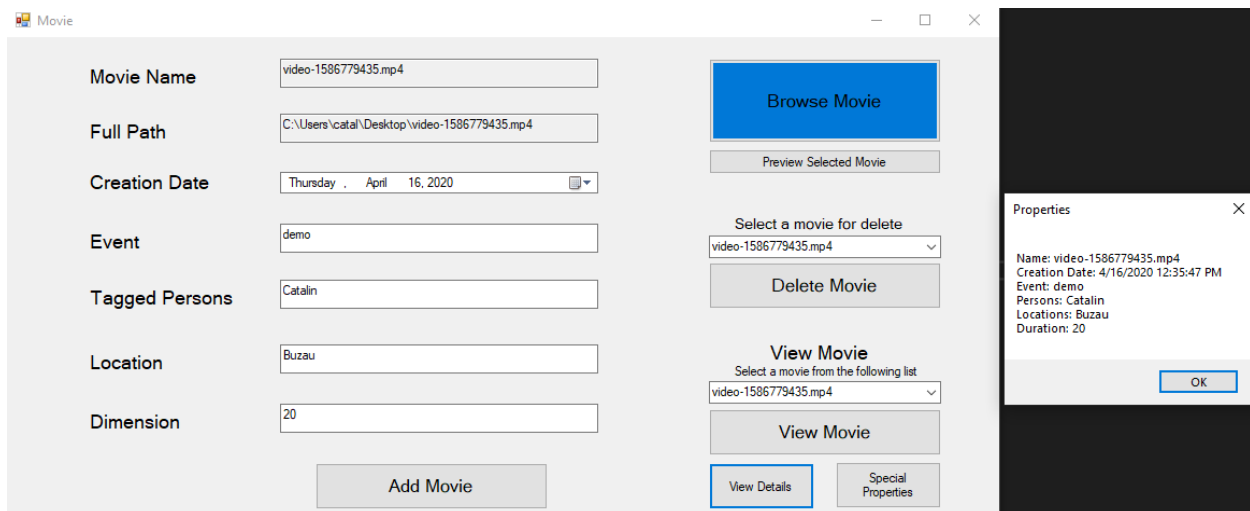


The 'User' application window contains two main sections. On the left, a 'Create User' form with the following fields: First Name (Catalin), Last Name (Belu), Email (catalin.belu@info.uaic.ro), Password (masked with dots), Phone (1234567890), and Address (Buzau). A 'Create User' button is at the bottom. On the right, a 'Login' form with Email (catalin.belu@info.uaic.ro) and Password (parolafoartegre) fields, and a 'Login' button. Below the login button is a 'Succes' message.

Aici am creat un user, si am verificat existenta lui prin simularea unui login.

Ulterior si campul password pentru login va fi umplut cu stelute, ca cel de la create.

Movie:



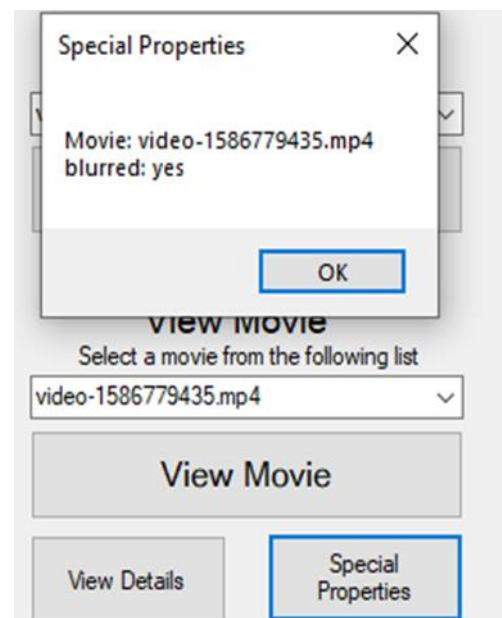
The 'Movie' application window has a main form on the left for adding a movie with fields: Movie Name (video-1586779435.mp4), Full Path (C:\Users\catalin\Desktop\video-1586779435.mp4), Creation Date (Thursday, April 16, 2020), Event (demo), Tagged Persons (Catalin), Location (Buzau), and Dimension (20). A large 'Add Movie' button is at the bottom. On the right, there are three sections: 'Browse Movie' (a blue button), 'Preview Selected Movie' (a button), and 'Delete Movie' (a button). Below these is a 'View Movie' section with a dropdown menu showing 'video-1586779435.mp4' and a 'View Movie' button. At the bottom right of the main form are 'View Details' and 'Special Properties' buttons. A 'Properties' dialog box is open on the right, displaying the following information: Name: video-1586779435.mp4, Creation Date: 4/16/2020 12:35:47 PM, Event: demo, Persons: Catalin, Locations: Buzau, Duration: 20. An 'OK' button is at the bottom of the dialog.

Aici am adaugat un nou film in aplicatie. Field-urile Movie Name si Full Path sunt needitabile si se completeaza automat dupa ce am selectat un film din computerul nostru (folosind butonul Browse Movie).

DropDown-urile pentru delete movie si view movie se actualizeaza automat dupa ce adaugam un nou film sau stergem unul. Tot in poza de mai sus avem detaliile despre filmul tocmai adaugat: in partea form-ului cu view movie am cautat filmul tocmai adaugat si am apasat butonul View Details (detaliile sunt afisate in acel mic popup).

La fel sunt afisate si proprietatile speciale adaugate de utilizator.

Totodata avem posibilitatea sa previzualizam un video tocmai incarcat (Preview Selected Movie) sau sa vizualizam un video din lista celor incarcate (View Movie):



Acest media player (poza din stanga) se va deschide apasand butoanele de view sau preview. El va lua automat locatia filmului stocata in baza de date si ii va da play direct.

In poza din dreapta am afisat functionalitatea butonului Special Properties.

Acest film are asignata o proprietate speciala (de test) "Blurred" a carei valoare este "Yes"

Photo

The 'Photo' application window contains the following elements:

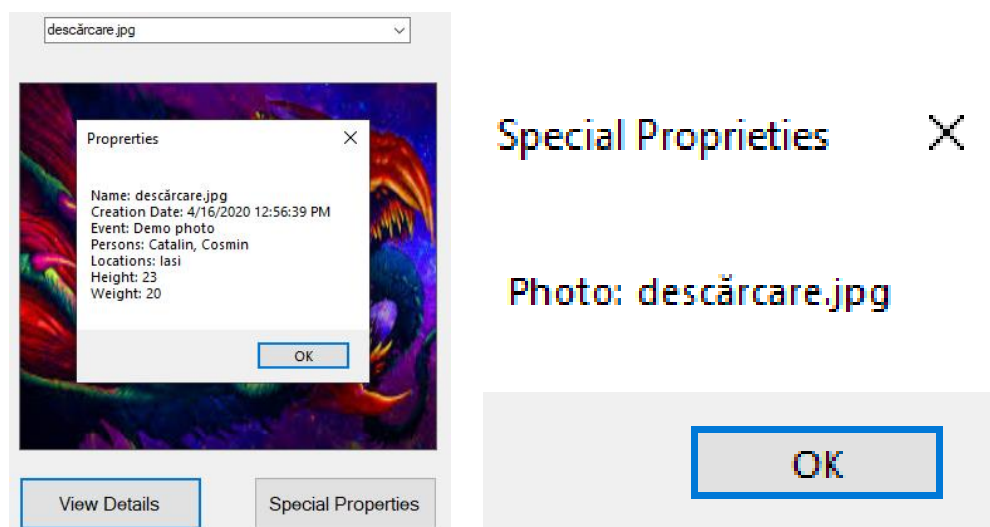
- Form Fields:**
 - Photo Name: descărcare.jpg
 - Full Path: C:\Users\catal\Desktop\descărcare.jpg
 - Creation Date: Thursday, April 16, 2020
 - Event: Demo photo
 - Tagged Persons: Catalin, Cosmin
 - Location: Iasi
 - Height: 23
 - Weight: 20
- Buttons:** Add Photo, Browse Photo, Delete Photo, View Details, Special Properties.
- Preview:** A small image box labeled 'Preview selected photo' showing a colorful dragon.
- View Photo Dialog:** A modal window titled 'View Photo' with the subtitle 'Select a photo from the following list'. It contains a dropdown list with the following items: descărcare.jpg, descărcare (1).jpg, car.jpg, Microsoft.NET_Logo.png, descărcare (2).jpg, and descărcare.jpg. Below the list is a large preview of the selected image.

Asemenea form-ului Movie, field-urile Photo Name si Full Path se actualizeaza automat doar in urma selectarii unei poze din computer apasand butonul Browse photo. De asemenea, dupa selectarea unei poze se va incarca previzualizarea intr-un pictureBox (deasupra textului 'Preview selected photo').

Avem comboBox-uri pentru stergerea unei fotografii sau pentru vizualizare. Acestea incarca din baza de date fotografiile afisand numele lor si sunt actualizate automat la adaugarea sau stergerea unei fotografii.

In partea din form "View Photo" putem alege o fotografie dupa numele ei, conform dropdown-ului din poza, iar ea va fi afisata imediat in acel pictureBox.

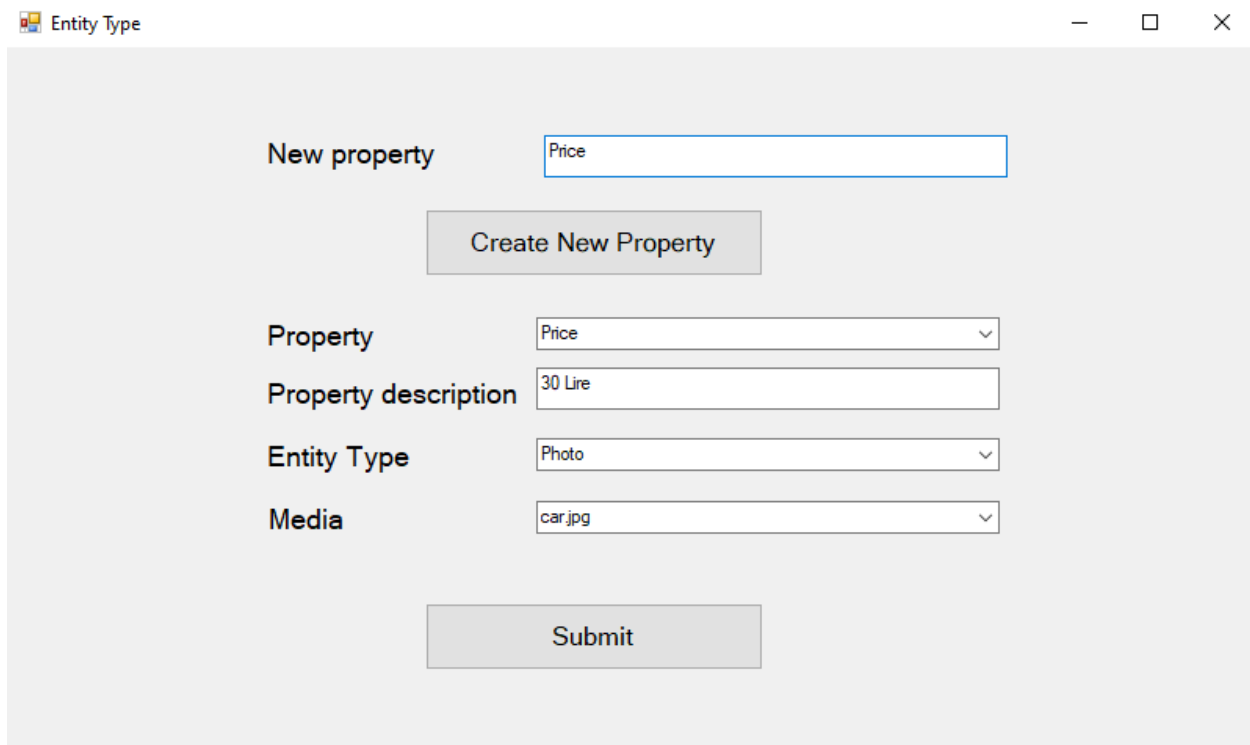
Avem din nou butoanele View Details si Special Properties:



In cazul de fata, poza noastra nu are nicio proprietate speciala adaugata si ii va fi afisat doar numele.

Property

Aici vom adauga proprietati speciale noi si apoi le vom atribui unei fotografii sau unui film.



The screenshot shows a web application window titled "Entity Type". Inside, there is a form for creating a new property. The form has the following fields and controls:

- New property:** A text input field containing the word "Price".
- Create New Property:** A button located below the "New property" field.
- Property:** A dropdown menu with "Price" selected.
- Property description:** A text input field containing "30 Lire".
- Entity Type:** A dropdown menu with "Photo" selected.
- Media:** A dropdown menu with "car.jpg" selected.
- Submit:** A button located at the bottom of the form.

- Cream proprietatea "Price" – apasam butonul create new property.
- Selectam din dropdown-ul "Property" proprietatea "Price"
- Adaugam descrierea acesteia – in cazul de fata pretul efectiv "30 Lire"
- Selectam entitatea (tipul media) : Acesta poate fi "Photo" sau "Movie"
- In dropdown-ul "Media" ni se vor incarca, in functie de ce entitate selectam, fotografiile sau filmele din baza de date de unde vom alege cui sa ii atribuim aceasta proprietate.