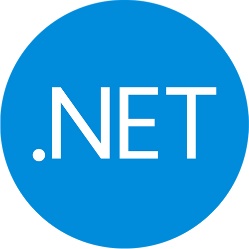
CCI Nîmes

Travaux pratique 

Mise en pratique et réalisation d’une application client lourd



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Introduction

Utilisation du C# dans un environnement client a travers d’une IHM client lourd.

Pré requis

**Connaissance :**

C#

Base du .Net WPF 🡪 <https://learn.microsoft.com/fr-fr/dotnet/desktop/wpf/get-started/create-app-visual-studio?view=netdesktop-6.0>

***Outils :***

VS

C# – Initiation WPF

**Phase 1 :**

Etablir une structure comme ci-dessous.

Ecran partagé en 3 parties distinctes :

* Menu
  + Deux boutons vont devoir déclencher des actions.
  + Un champ doit récupérer le nom d’une ville.
* Informations principales
  + Température, vent, nom ville, date.
* Informations secondaires
  + Actualité de la ville. Météo de la semaine.

Une image contenant table

Description générée automatiquement

Rendu attendu :



**Phase 2 :**

Inscrivez-vous sur le site <https://api.meteo-concept.com/>.

Ce site propose des web services fournissant des informations météorologiques à partir d’un code insee de ville.

Une fois inscrit, depuis le backend, votre code C# va pouvoir faire appel à ce type d’URL ( voir ci-dessous ) afin de récupérer la réponse de l’URL.

La réponse de l’URL sera au format JSON ( voir ci-dessous ).

https://api.meteo-concept.com/api/forecast/daily?token=f9fbf8ab431e676578b91c6651f7d4c4e9401f41783941523d93115fdff43024&insee=35238

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"city": {

"insee": "35238",

"cp": 35000,

"name": "Rennes",

"latitude": 48.112,

"longitude": -1.6819,

"altitude": 38

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"update": "2022-10-06T12:17:55+02:00",

"forecast": [

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"gust10m": 29,

"dirwind10m": 287,

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"rr1": 0,

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"weather": 1,

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"gustx": 29

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"rr1": 0,

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"rr10": 0,

"rr1": 0,

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"weather": 1,

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"tmax": 19,

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"probafog": 20,

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"rr1": 1,

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"sun\_hours": 3,

"etp": 3,

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"probafog": 0,

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"probawind100": 0,

"gustx": 43

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"datetime": "2022-10-10T02:00:00+0200",

"wind10m": 10,

"gust10m": 24,

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"probawind100": 0,

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"cp": 35000,

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"day": 7,

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"probafog": 0,

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"probawind100": 0,

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"cp": 35000,

"latitude": 48.112,

"longitude": -1.6819,

"day": 8,

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"gust10m": 33,

"dirwind10m": 257,

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"rr1": 21,

"probarain": 60,

"weather": 41,

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"tmax": 15,

"sun\_hours": 4,

"etp": 2,

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"probafog": 0,

"probawind70": 0,

"probawind100": 0,

"gustx": 48

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"cp": 35000,

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"longitude": -1.6819,

"day": 9,

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"dirwind10m": 246,

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"rr1": 21,

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"rr10": 8,

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"etp": 1,

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"longitude": -1.6819,

"day": 11,

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"gust10m": 23,

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"longitude": -1.6819,

"day": 12,

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"dirwind10m": 276,

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"probawind100": 0,

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"day": 13,

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"gust10m": 20,

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"rr1": 8.9,

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"weather": 40,

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"probafog": 20,

"probawind70": 0,

"probawind100": 0,

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