

## Mini Projet 2 – Ma ludothèque le retour !

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Magali souhaite à partir des flux XML, mettre en place une API permettant de consulter sa collection de jeux et le détail d'un jeu. Vous reprendrez le « Mini-Projet : Ma ludothèque ! » et à partir de la bibliothèque Flask vous mettrez en place une API avec 2 routes suivantes :

- <http://127.0.0.1:5000/games> => route listant tous les jeux de la ludothèque contenant :
  - Id => identifiant du jeu (attribut objectid)
  - Title => titre du jeu
  - lst\_published\_year => date de publication
  - players => nombre de joueurs minimum – nombre de joueurs maximum
  - playtime => temps minimum – temps maximum
  - thumbnail => lien de la vignette du jeu

Lien XML à utiliser :

<https://api.geekdo.com/xmlapi/collection/megtrinity>

Exemple du résultat :

```
▼ [
  ▼ {
    "id": "68448",
    "lst_published_year": "2010",
    "players": "2-7",
    "playtime": "30min",
    "thumbnail": "https://cf.geekdo-images.com/RvFVTEpnbb4NM7k0IF8V7A__thumb/img/Z1G_SRFChObHenw79fAve56",
    "title": "7 Wonders"
  },
  ▼ {
    "id": "173346",
    "lst_published_year": "2015",
    "players": "2",
    "playtime": "30min",
    "thumbnail": "https://cf.geekdo-images.com/zdagMskTF7wJBPjX74XsRw__thumb/img/gV1-ckZSIC-dCxxpq1Y7GmP",
    "title": "7 Wonders Duel"
  },
]
```

- [http://127.0.0.1:5000/games/<int:game\\_id>](http://127.0.0.1:5000/games/<int:game_id>) => route avec les détails d'un jeu :
  - id
  - title
  - description = > **sans balise HTML** (vous utiliserez une regex pour cela)
  - image
  - players => nombre de joueurs minimum – nombre de joueurs maximum
  - playtime => temps minimum – temps maximum

- categories => liste des catégories sous forme d'une chaîne séparées par des virgules sans virgule supplémentaire
- expansions => liste des extensions sous forme d'une liste (tableau)

Lien XML à utiliser :

[https://api.geekdo.com/xmlapi/boardgame/\[ :id\\_game\]](https://api.geekdo.com/xmlapi/boardgame/[ :id_game])

Exemple du résultat :

```
{
  "categories": "Ancient,Card Game,City Building,Civilization,Economic",
  "description": "You are the leader of one of the 7 great cities of the Ancient World. Gather resources, develop commercial routes, and affirm your military supremacy. Build your city and erect an architectural wonder which will transcend future times.7 Wonders lasts three ages. In each age, players receive seven cards from a particular deck, choose one of those cards, then pass the remainder to an adjacent player. Players reveal their cards simultaneously, paying resources if needed or collecting resources or interacting with other players in various ways. (Players have individual boards with special powers on which to organize their cards, and the boards are double-sided). Each player then chooses another card from the deck they were passed, and the process repeats until players have six cards in play from that age. After three ages, the game ends.In essence, 7 Wonders is a card development game. Some cards have immediate effects, while others provide bonuses or upgrades later in the game. Some cards provide discounts on future purchases. Some provide military strength to overpower your neighbors and others give nothing but victory points. Each card is played immediately after being drafted, so you'll know which cards your neighbor is receiving and how her choices might affect what you've already built up. Cards are passed left-right-left over the three ages, so you need to keep an eye on the neighbors in both directions.Though the box of earlier editions is listed as being for 3&ndash;7 players, there is an official 2-player variant included in the instructions.",
  "expansions": [
    "7 Wonders: Armada",
    "7 Wonders: Armada - Siracusa",
    "7 Wonders: Babel",
    "7 Wonders: Catan",
    "7 Wonders: Cities",
    "7 Wonders: Companion App",
    "7 Wonders: Leaders",
    "7 Wonders: Leaders Anniversary Pack",
    "7 Wonders: Leaders - Esteban",
    "7 Wonders: Leaders - Louis",
    "7 Wonders: Leaders - Nimrod",
    "7 Wonders: Leaders - Stevie",
    "7 Wonders: Leaders - Wil",
    "7 Wonders: Manneken Pis",
    "7 Wonders: Wonder Pack",
    "Collection (fan expansion for 7 Wonders)",
    "Empires (fan expansion for 7 Wonders)",
    "Game Wonders (fan expansion for 7 Wonders)",
    "Lost Wonders (fan expansion for 7 Wonders)",
    "Modern Wonders (fan expansion for 7 Wonders)",
    "More Wonders... (fan expansion for 7 Wonders)",
    "Myths (fan expansion for 7 Wonders)",
    "Ruins (fan expansion for 7 Wonders)",
    "Sailors (fan expansion for 7 Wonders)"
  ],
  "id": "68448",
  "image": null,
  "players": "2-7",
  "playtime": "30min",
  "title": "7 Wonders"
}
```

Afin de mener à bien ce projet, vous vous aiderez de la

documentation : <https://flask.palletsprojects.com/en/2.2.x/quickstart/>