**VideoGame for schema.org (draft)**

This document is a proposal by Yandex for some extensions of Schema.org schemas to support the description of video games.

New types:

- `Thing > CreativeWork > Game`
- `Thing > CreativeWork > SoftwareApplication > VideoGame`
- `Thing > CreativeWork > Game > VideoGame`
- `Thing > Intangible > GameServer`
- `Thing > Intangible > Enumeration > GamePlayMode`
- `Thing > Intangible > Enumeration > GameServerStatus`

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>character</td>
<td>Person</td>
<td>Fictional person connected with creative work</td>
</tr>
<tr>
<td>translator</td>
<td>Organization or Person</td>
<td>Organization or person who adapts creative work to different languages, regional differences and technical requirements of a target market.</td>
</tr>
</tbody>
</table>

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>numberOfPlayer</td>
<td>QuantitativeValue</td>
<td>Indicate how many people can play this game (minimum, maximum, or range).</td>
</tr>
<tr>
<td>quest</td>
<td>Thing</td>
<td>The task that a player-controlled character, or group of characters may complete in order to gain a reward.</td>
</tr>
<tr>
<td>gameItem</td>
<td>Thing</td>
<td>An item is an object within the game world that can be collected by a player or, occasionally, a non-player character.</td>
</tr>
<tr>
<td>gameLocation</td>
<td>URL or PostalAddress or Place</td>
<td>Real or fiction location of the game (or part of game)</td>
</tr>
<tr>
<td>characterAttribute</td>
<td>Thing</td>
<td>A piece of data that represents a particular aspect of a fictional character (skill, power, character points, advantage, disadvantage)</td>
</tr>
</tbody>
</table>

**Thing > CreativeWork**

Add the following property to the existing type

<table>
<thead>
<tr>
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</tr>
</thead>
</table>
A video game is an electronic game that involves human interaction with a user interface to generate visual feedback on a video device.

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</tr>
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<tbody>
<tr>
<td>playMode</td>
<td>GamePlayMode</td>
<td>Indicates whether this game multi-player, co-op or single-player. The game can be marked as multi-player, co-op and single-player at the same time</td>
</tr>
<tr>
<td>cheatCode</td>
<td>CreativeWork</td>
<td>Cheat codes to the game</td>
</tr>
<tr>
<td>tip</td>
<td>CreativeWork</td>
<td>Links to tips, tactics, etc</td>
</tr>
<tr>
<td>gamePlatform</td>
<td>URL or Text or Thing</td>
<td>The electronic systems used to play video games</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://en.wikipedia.org/wiki/Category:Video_game_platform">http://en.wikipedia.org/wiki/Category:Video_game_platform</a></td>
</tr>
<tr>
<td>gameServer</td>
<td>GameServer</td>
<td>The server on which possible to play the game</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>game</td>
<td>VideoGame</td>
<td>Video game which is played on this server</td>
</tr>
<tr>
<td>serverStatus</td>
<td>GameServerStatus</td>
<td>Status of game server</td>
</tr>
<tr>
<td>playersOnline</td>
<td>Number</td>
<td>Number of players on the server</td>
</tr>
</tbody>
</table>

- **Multi-player** - requiring or allowing multiple human players to play simultaneously.
- **Co-op** - co-operative games, where you play on the same team with friends.
- **Single-player** - which is played by a lone player

- **Online** - server is available
- **OnlineFull** - server is online but unavailable. The maximum number of players has reached
- **OfflineTemporarily** - server is offline now but it can be online soon
- **OfflinePermanently** - server is offline and not available

**Example**

This type is applicable for example for those pages:
- http://store.steampowered.com/app/244850/
- http://www.gamespot.com/titanfall/
- http://www.elderscrolls.com/
- http://elderscrollsonline.com/en-uk/
- http://www.mineplex.com/
1.

<div itemscope itemtype="http://schema.org/VideoGame">
<h1 itemprop="name">Super Game</h1>
<link href="http://example.com/supergame1" itemprop="url">
<img itemprop="image" src="/images/screenshots/supergame/cover.jpg"/>
<div itemprop="description">Ultra interesting. Super impressive. Mega attractive</div>
</div>

<p>Language: Russian</p>
<p>Localizer: TranslateStudio Inc.</p>

<p>Language: Chinese</p>
<p>Localizer: Fānyì zhě Inc.</p>

<div itemprop="aggregateRating" itemtype="http://schema.org/AggregateRating">
<div>Game rating: <b>5</b></div>
</div>

<p>Author: GameDevelopmentStudio</p>
<p>Publisher: RL Russia</p>
<p>Date Published: 2012-03-02</p>

<p>Game Specific</p>
<p>Genre: Action (Shooter / Robot) / 3D / 1st Person</p>

<p>System Requirements</p>
<p>Processor requirements: 4 GHz</p>
<p>Memory requirements: 8 Gb</p>
<p>Storage requirements: 64 Gb</p>

<ul>
<li>PC game</li>
<li>Xbox One</li>
<li>PlayStation 3</li>
</ul>

<div itemprop="softwareAddOn" itemtype="http://schema.org/VideoGame">
<h2>New colour of sky</h2>
</div>
Hints, Secrets, Glitches & Easter Eggs

Easy Credits <span itemprop="cheatCode">To get infinite credits you must first have at least 1 or 2 companions with you</span>

Victory Strategy Guides

2. RPG

```json
{
    "@context": "http://schema.org",
    "@type": "VideoGame",
    "name": "The Elder Scrolls V: Skyrim",
    "url": "http://www.elderscrolls.com/skyrim",
    "playMode": "Single-player",
    "gameItem": {
        "@type": "Thing",
        "name": "Oghma Infinium",
        "url": "http://elderscrolls.wikia.com/wiki/Oghma_Infinium_(Skyrim)",
        "description": "The Oghma Infinium (Plural: Oghmae Infinium [OOG 1]) is a very powerful Daedric artifact belonging to the Daedric Prince Hermaeus Mora. It is an ancient tome of knowledge written by Xarxes, the wizard sage and scribe also known as The Ageless One. The Oghma Infinium is given to Hermaeus Mora's champion upon completion of a specific task or quest. Once read, it disappears, returning to Hermaeus Mora's realm in Oblivion.",
        "image": "http://img1.wikia.nocookie.net/__cb20120209152336/elderscrolls/images/thumb/b/b0/Oghma.jpg/180px-Oghma.jpg"
    },
    "quest": [
        {
            "@type": "Thing",
            "name": "Unbound",
            "url": "http://elderscrolls.wikia.com/wiki/Unbound",
            "description": "It serves as the tutorial mission where the player learns the basics about the game.",
            "image": "http://img2.wikia.nocookie.net/__cb20121120234225/elderscrolls/images/thumb/a/a3/Unbound.png/256px-Unbound.png"
        },
        {
            "@type": "Thing",
            "name": "Before the Storm",
            "url": "http://elderscrolls.wikia.nocookie.net/\cb20121120234225/elderscrolls/images/thumb/a/a3/Before_the_Storm.png/256px-Before_the_Storm.png"
        }
    ]
}
```
Before the Storm is a quest available in The Elder Scrolls V: Skyrim. After escaping from the dragon attack at Helgen, it's necessary to follow the advice received that leads to Riverwood. It is possible to gather supplies and prepare for a trip to Whiterun to report the recent events to Jarl Balgruuf.

3. Online Game

```html
<script type="application/ld+json">
{
"@context": "http://schema.org",
"@type": "VideoGame",
"name": "Minecraft",
"url": "http://www.mineplex.com/",
"playMode": "Multi-player",
"gamePlatform": "Online_gaming_services",
"gameServer": {
"name": "mineplex",
"url": "123.45.678.90:2342",
"playersOnline": "5361",
"serverStatus": "Online"
},
"video": {
"@type": "http://schema.org/VideoObject",
"caption": "CHALLENGE ACCEPTED! #6 [Hot Pepper Challenge!]",
"description": "How many Jalapeno can I eat without crying? ZERO. Today's challenge is for every chest I open, I have to eat a Jalapeno and... I HAVE TO WIN. This video was painful",
"url": "http://www.youtube.com/watch?v=0q6a9aFk3XY"
}
</script>
```

4. Board Game

```html
<section vocab="http://schema.org/" typeof="Game">
<section property="offers" typeof="Offer">
<span>Approx. Retail:</span>$17.99
</section>
</section>
```
Ages: <span property="suggestedMinAge">8 </span> YEARS & UP

<h4>Game Description:</h4>

<p>Own it all as a high-flying trader in the fast-paced world of real estate. Tour the city for the hottest properties: sites, stations and utilities are all up for grabs. Invest in houses and hotels, then watch the rent come pouring in! Make deals with other players and look out for bargains at auction. There are many ways to get what you want. For really speedy dealers, use the speed die for a quick and intense game of Monopoly. So get on Go and trade your way to success! <br />

Includes <span property="gameItem">gameboard</span>, <span property="gameItem">8 tokens</span>, <span property="gameItem">28 Title Deed cards</span>, <span property="gameItem">16 Chance cards</span>, <span property="gameItem">16 Community Chest cards</span>, <span property="gameItem">money pack</span>, <span property="gameItem">12 hotels</span>, <span property="gameItem">2 dice</span> and <span property="gameItem">instructions</span> <br />

•Includes the new token that was voted No. 1: the cat <br />

For <div property="numberOfPlayers" typeof="QuantitativeValue">3 to 5 players </div>. <br />

Ages 8 and up. <br />

Monopoly and all related characters are trademarks of Hasbro.<br /></p>

5. Mobile Game

**YOU VOTED & THE CAT’S OUT OF THE BAG** Thanks to the votes from YOU and thousands of loyal MONOPOLY Facebook fans from 185 different countries, the CAT mover is now available to play with in this latest update as well as in the classic board game version of MONOPOLY! <br />

<div>**4 stars - 33 reviews**</div>
Price: $1

Version: 1.2.50

Updated: 09.11.2013

Age 4+

09.11.2013

Age 4+