

Profile: 1. Virtual Patients

Title

Version: 1.0

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Profile ID: (we should determine how to handle versioning with regards to the profile identifier. My guess is that we would either wait to assign or update whenever there is a substantive change.)

Version History

Version No.	Date	Changed By	Changes Made
0.1			Initial draft
1.0	15/Mar/2016	LEWG	First official draft

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(Note, Valerie will work with legal to develop a version that is not XML specific)

Acknowledgements (placeholder for later – will list all working group members)

Introduction (explain the need the profile is meeting, it's scope, the relationship to xAPI, and the relationship to other profiles and or standards. Link to xAPI overview. We may want to reference any important publication tools the profile leverages, or that might be better in the verbs section. Cite the relationship between statement structure and what is possible with analytics.)

DRAFT!

Recipes

Can be categorized by situation type or by activity type, or whatever makes sense in context.

Medbiquitous Virtual Patient (MVP) standard players

Basics/Core Recommendations

- All statements include the Recipe ID in the 'category' context activity list.
- Most statements include an Agent with the user as the 'actor' property.
- Some statements may reference the System or Application as the 'actor' property where they system has updated a counter or made some other change.
- Most statements include the virtual patient Activity as the 'object'.
- All timestamps in statements must be compliant with ISO 8601 format. (this is part of the xAPI specification)
- Virtual patient Activity Definition includes the following:

Has the 'type': <http://adlnet.gov/expapi/activities/simulation>

The Actor object will be defined by the virtual patient player. The Actor object for most statements with defined verbs will be of type "Agent" and MUST contain an account object.

An Example of usage in a statement:

Example:

```
{
  "actor": {
    "objectType": "Agent",
    "account": {
      "homePage": "http://demo.openlabyrinth.ca",
      "user_id": "1625"
    }
  },
  "verb": {...},
  "object": {...},
  "result": {...},
  "context": {...},
  "attachments": {...}
}
```

Statements

Verb usage:

Initialized

User has opened a case. Sent when the VP case starts to play.

Verb IRI: <http://adlnet.gov/expapi/verbs/initialized>

Includes a timestamp and identifier of the node in the VP when playing was started. Most VP cases will have a fixed starting node but this is not always true and is not a requirement for the statement to be true.

Completed

User has completed the case. Reached a node designated by the case author as an endpoint. Does not indicate success or failure.

Verb IRI: <http://adlnet.gov/expapi/verbs/completed>

Suspended

User has paused a case. Suspended a case with the possibility to resume later.

Verb IRI: <http://adlnet.gov/expapi/verbs/suspended>

Resumed

User has restarted a case. Resumed a case that had been previously suspended.

Verb IRI: <http://adlnet.gov/expapi/verbs/resumed>

Terminated

User has left a case and does not intend to resume. Consider how you will be able to differentiate this from 'abandoned', 'suspended' or 'completed' because the VP player engine may not be able to determine whether the user is coming back again.

Verb IRI: <http://adlnet.gov/expapi/verbs/terminated>

Arrived

User has visited a node within the VP case. Not necessarily same as 'read' or 'experienced' because an internal rule or trigger might immediately bounce them on to another node or activity. (See 'Launched'). So, while the user may have landed on that node, if they are immediately redirected, they may not even see that page/node. Can be used for a physical or virtual location.

Verb IRI: <http://w3id.org/xapi/medbiq/verbs/arrived>

Experienced

User has read a document, page or paragraph. Similar to 'interacted' but used when the media is static or non-interactive

Verb IRI: <http://adlnet.gov/expapi/verbs/experienced>

Responded

User has responded to a question. Response to an item or question within a node, without moving off that node. (This is not quite the same as 'answered' which implies that the answer is correct.)

Verb IRI: <http://adlnet.gov/expapi/verbs/responded>

Interacted

User has interacted with or manipulated an object or a video or similar multimedia that provides some sort of interactivity. Similar to 'experienced' for when the media is dynamic, like a video. For more detailed reporting on videos, we instead recommend the use of the Video Recipe: <http://id.tincanapi.com/recipe/video/base/1>

Verb IRI: <http://adlnet.gov/expapi/verbs/interacted>

Commented

User has contributed to group activity. Used when an actor adds to a group activity for a compound effect. In some ways, this is not different from 'responded'. But the net effect is different because you are not expecting that the single activity will necessarily produce some result by itself. The object might be a discussion thread. (Or in OpenLabyrinth, we have a question format called a Cumulative Question, where users contribute phrases to a single question/database field.)

Verb IRI: <http://adlnet.gov/expapi/verbs/commented>

Ignored

User has ignored a flag or other virtual patient data. This is a flag or action sent by either a facilitator or the VP player engine to indicate that an action was expected by this point in time and had not occurred. Sometimes this is a good thing, and while absent, is not necessarily a negative aspect - for example, if there is a distractor in place that the actor is supposed to ignore as irrelevant.

Verb: <http://w3id.org/xapi/medbiq/verbs/ignored>

For the following activity statements, the Actor is more likely to be the Virtual Patient player engine or an object within that player engine:

Updated

VP player engine has changed a counter value. This may be triggered by arrival at a particular node, or by a rule within the case design created by the virtual patient author, or by a timer expiration point. Although the counter value may be regarded as a score, note that the ADL verb 'scored' is overall score for the case or exam (<http://adlnet.gov/expapi/verbs/scored>), which is not the same thing.

Verb: <http://w3id.org/xapi/medbiq/verbs/updated>

Launched

VP player engine has initiated an action such as redirecting the user to a new node, or triggered some other activity. This is not an action made by the user.

Verb IRI: <http://adlnet.gov/expapi/verbs/launched>

Activities

To be used mainly if there are very specific activities being described by this profile. Otherwise, Activity types usually used instead.

Linked Identifiers

Name	Kind	Uri
Initialized	Verb	http://adlnet.gov/expapi/verbs/initialized

Completed	Verb	http://adlnet.gov/expapi/verbs/completed
Suspended	Verb	http://adlnet.gov/expapi/verbs/suspended
Resumed	Verb	http://adlnet.gov/expapi/verbs/resumed
Terminated	Verb	http://adlnet.gov/expapi/verbs/terminated
Arrived	Verb	http://w3id.org/xapi/medbiq/verbs/arrived
Experienced	Verb	http://adlnet.gov/expapi/verbs/experienced
Responded	Verb	http://adlnet.gov/expapi/verbs/responded
Interacted	Verb	http://adlnet.gov/expapi/verbs/interacted
Commented	Verb	http://adlnet.gov/expapi/verbs/commented
Ignored	Verb	http://w3id.org/xapi/medbiq/verbs/ignored
Updated	Verb	http://w3id.org/xapi/medbiq/verbs/updated
Launched	Verb	http://adlnet.gov/expapi/verbs/launched
Virtual Patient	Activity type	???