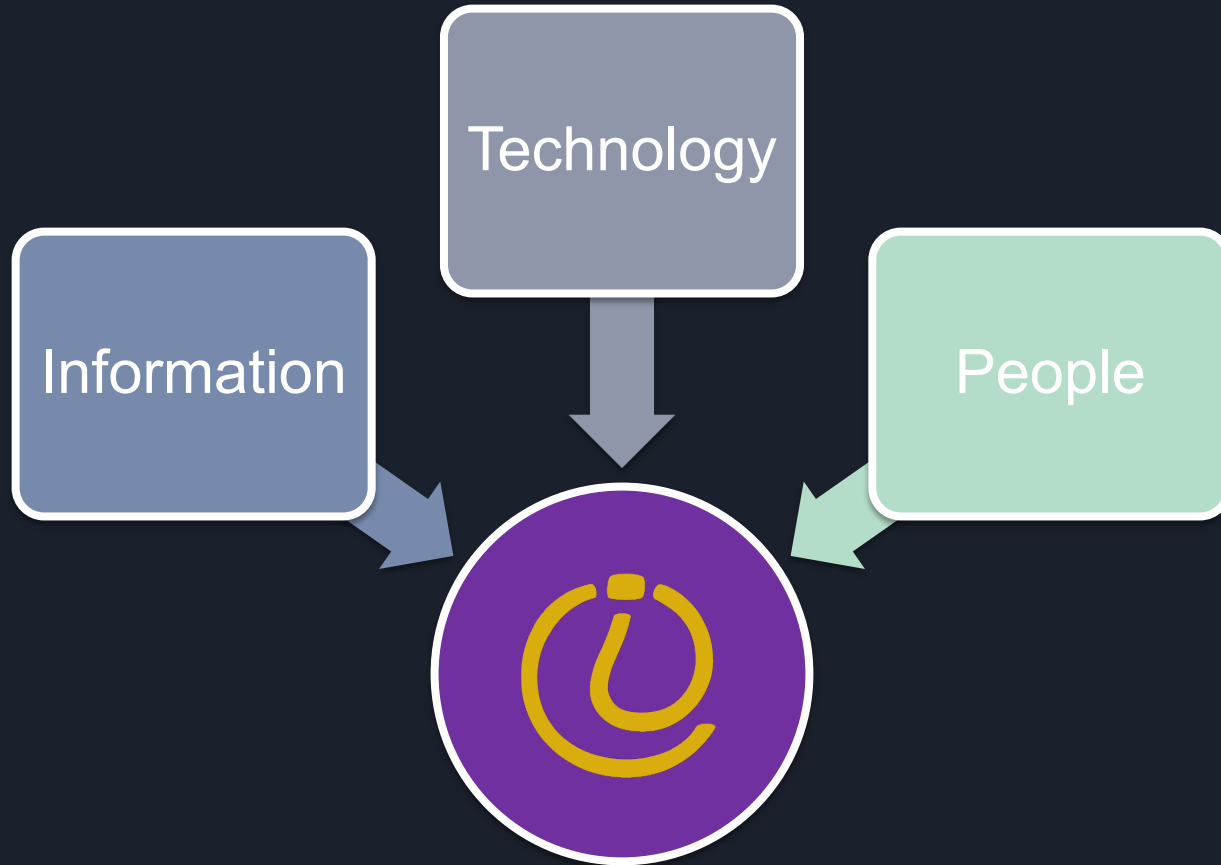


The GAMER Group


Information
School
UNIVERSITY of
WASHINGTON



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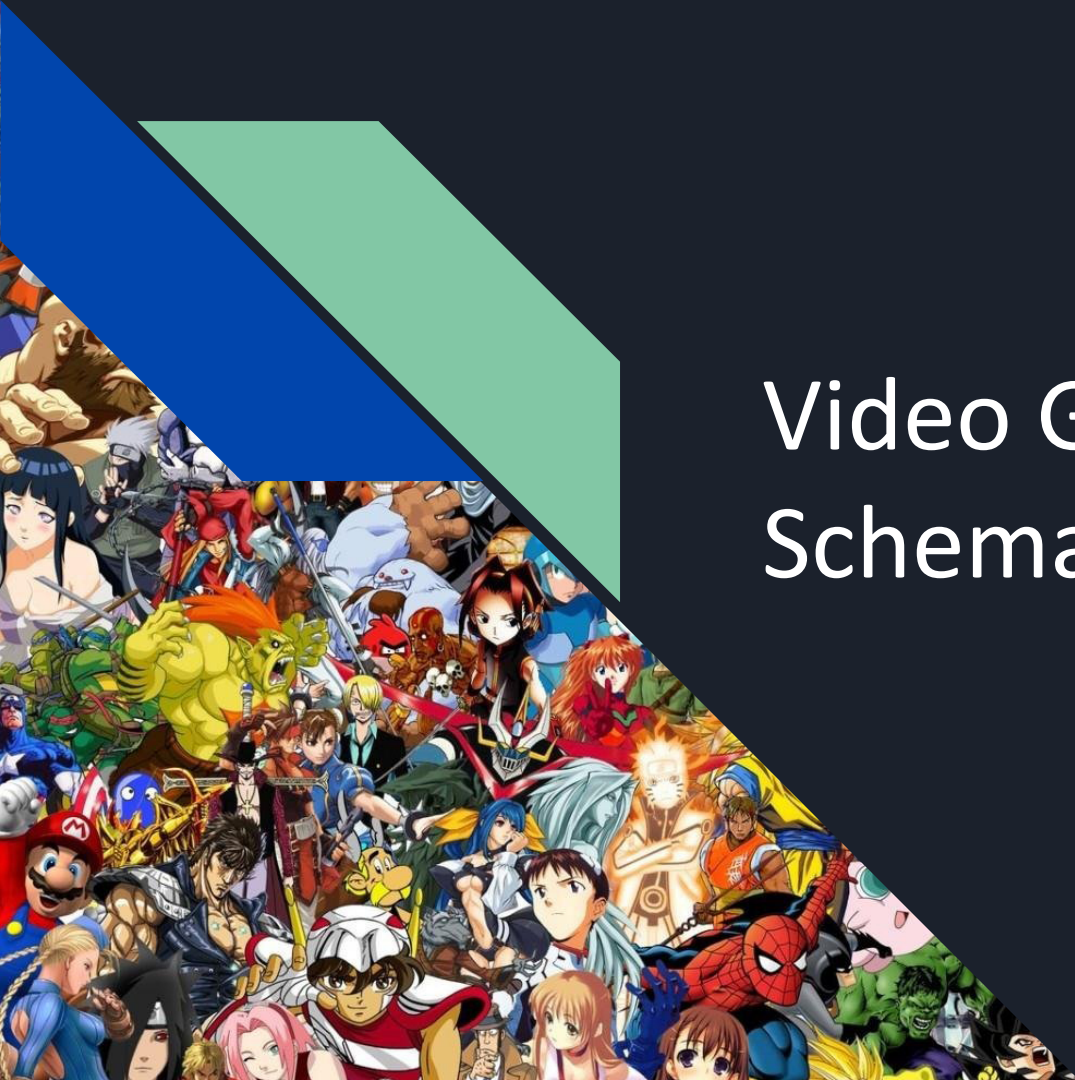
Game Studies at the GAMER Group

- Organization of Games and Game-Related Artifacts
- Behavior of Game Players and Developers
- Games and Learning



Today's Project Topics

1. Video Game Metadata Schema
2. Curating Collections of Game-Related Artifacts
3. IT Identity and Game Development




Video Game Metadata Schema



How do we organize and describe these games?

How LCSH Does It



LIBRARY OF CONGRESS

ASK A LIBRARIAN DIGITAL COLLECTIONS LIBRARY

The Library of Congress > [Linked Data Service](#)



Video games

From [Library of Congress Subject Headings](#)


Details Visualization Suggest Terminology

Video games






Variants

- >  Television games
- >  Videogames








Broader Terms

- >  [Electronic games](#)

Narrower Terms


- >  [1080 Degree Snowboarding \(Game\)](#)
- >  [A-Train \(Game\)](#)
- >  [Ace Combat \(Game\)](#)
- >  [Albert Odyssey \(Game\)](#)
- >  [Alundra \(Game\)](#)

Narrower Terms





- >  [1080 Degree Snowboarding \(Game\)](#)
- >  [A-Train \(Game\)](#)
- >  [Ace Combat \(Game\)](#)
- >  [Albert Odyssey \(Game\)](#)
- >  [Alundra \(Game\)](#)
- >  [Angry Birds \(Game\)](#)
- >  [Angry Birds: Star Wars \(Game\)](#)
- >  [Army Men World War \(Game\)](#)

How LCSH Does It

Broader Terms

- >  Electronic games

Narrower Terms

- >  Club Penguin (Game)
- >  Multi-user dungeons
- >  Nanovor (Game)
- >  Yahoo! games

Internet games

From [Library of Congress Subject Headings](#)

Details

Visualization


Suggest Terminology

Internet games

URI(s)

- > <http://id.loc.gov/authorities/subjects/sh95000402>
- > <info:lc/authorities/sh95000402>
- > <http://id.loc.gov/authorities/sh95000402#concept>

Instance Of

- > [MADS/RDF Topic](#)
- > [MADS/RDF Authority](#)
- > [SKOS Concept](#) 


Scheme Membership(s)

- > [Library of Congress Subject Headings](#)





Collection Membership(s)

- > [LCSH Collection - Authorized Headings](#)
- > [LCSH Collection - General Collection](#)
- > [LCSH Collection - May Subdivide Geographically](#)

Broader Terms

- >  [Electronic games](#)

Narrower Terms

- >  [Club Penguin \(Game\)](#)
- >  [Multi-user dungeons](#)
- >  [Nanovor \(Game\)](#)
- >  [Yahoo! games](#)

How WorldCat Does It

Details

Genre/Form:
Computer war games
Video games
Xbox video games
Computer games

Material Type: Computer game

Document Type: Computer File

All Authors / Contributors: [Microsoft Game Studios.](#); [Bungie \(Firm\)](#)

OCLC Number: 816142886

Notes: Title from disc label.
1-4 players; co-op 2-4; system link 2-16 ; online multiplayer 2-16 ; 4 MB to save game; voice.

Target Audience: ESRB rating: M, Mature 17+ (blood, violence).

Description: 2 computer optical discs : sd., col. ; 4 3/4 in.

Details: System requirements: Xbox 360 with NTSC designation; Xbox 360 requires up to 256 MB for system updates and additional storage for some game features. Xbox LIVE System Requirements: In available games, paid subscription required for online multiplayer; some features and downloads require additional storage, hardware, and/or fees.

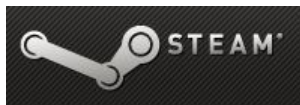
Other Titles: Halo4
Halo four

Responsibility: Microsoft Game Studios ; Bungie.



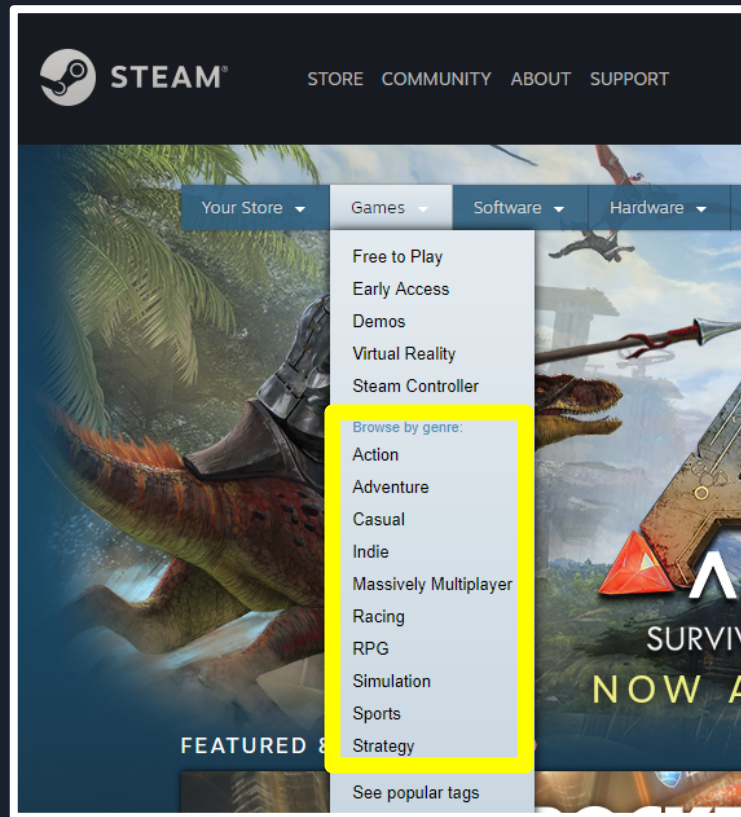
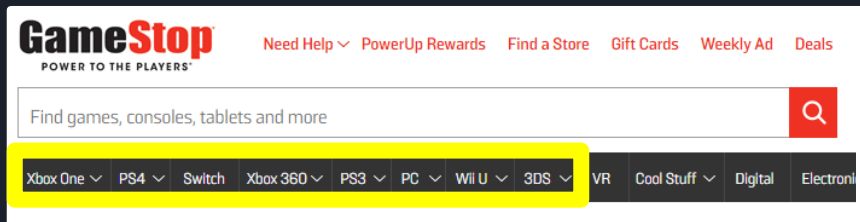
Halo 4

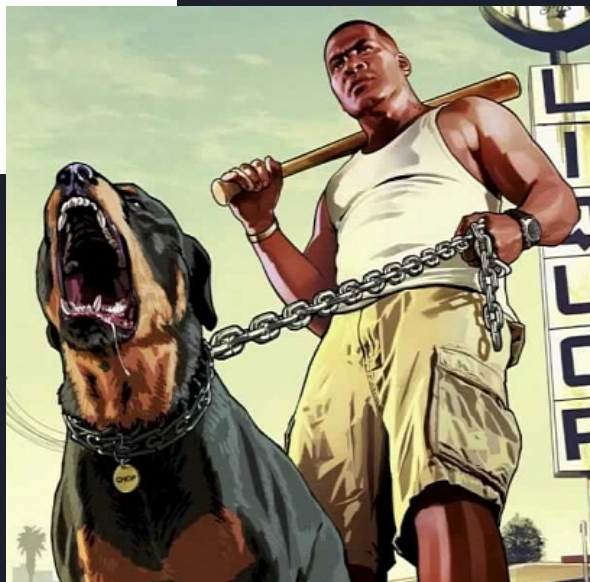
How the Web Does It



Common Browsing Options

- Platform
- Genre





What About Platform?



Platform doesn't tell much about the games themselves



Problem

Game information on the Web is often unstructured, cumbersome to navigate, unvetted, and unverified
Traditional library standards have limited applicability
Current game information systems offer limited options for browsing and discovering games.



How can we provide more
intelligent access to
video games?

Create a metadata schema that
can capture the essential
information about games in a
standardized way.





Our Approach

User-based Analysis: Personas and Use Scenarios,
Interviews, Survey

Document-based Analysis: Review of existing resources
and data structures/standards

Data Modeling: Creating a conceptual model for representing games and
their relationships



Video Game Metadata Schema

University of Washington Information School
Game Research (GAMER) Group and
Seattle Interactive Media Museum



Release 4.0
2017-03-20

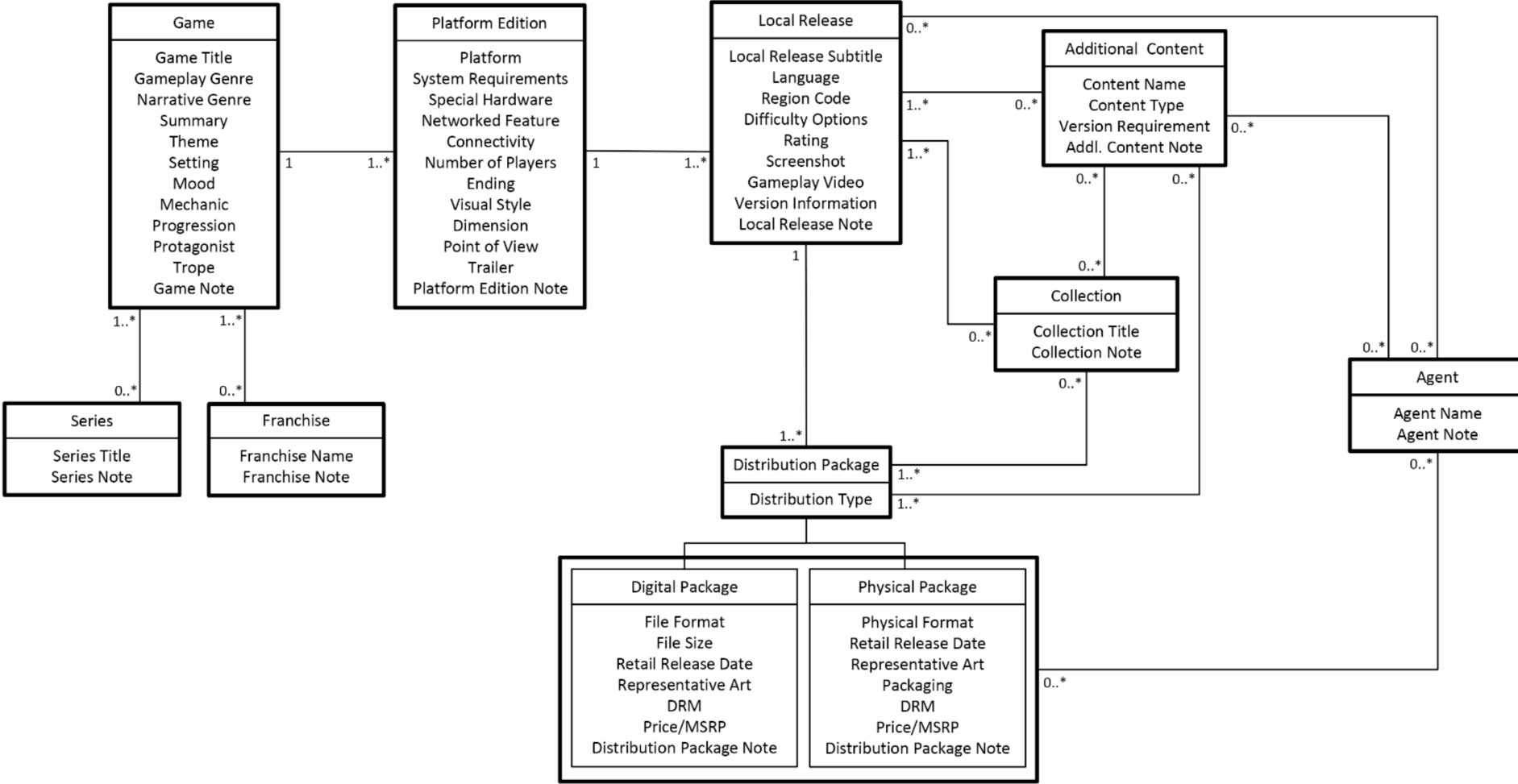
9 Entities

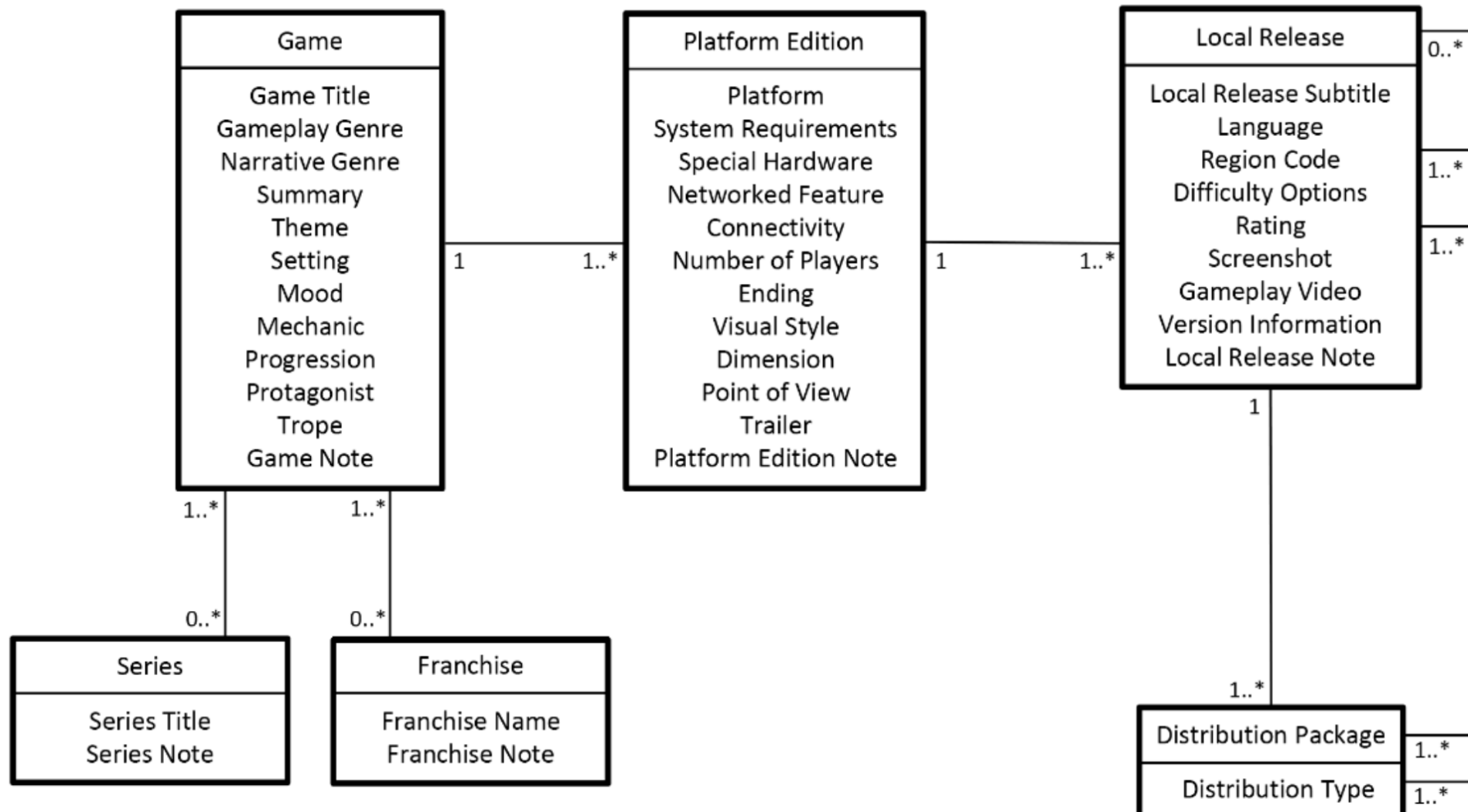
40+ Metadata Elements

10+ Controlled Vocabularies

Accessible at:

<http://gamer.ischool.uw.edu/releases/>





Party	<p>SN: These games are a collection of smaller games, or 'mini games', often meant to be played with a group of players in a casual competitive context. Representative games are <i>Mario Party</i> and <i>Wii Party</i>.</p> <p>USE FOR: Minigame Collection</p> <p>BT: Action</p>
Platform	<p>SN: These games have a focus on jumping or otherwise moving between different platforms and successfully navigating terrain and obstacles. They often emphasize hand eye coordination. Representative games are <i>Super Mario Bros. 3</i> and <i>Sonic the Hedgehog</i>.</p> <p>USE FOR: Platformer</p> <p>BT: Action</p>
Platformer	USE: Platform
Rhythm	<p>SN: These games involve the player inputting commands or completing actions while synchronizing to a rhythm. Representative games are <i>Space Channel 5</i> and <i>Donkey Conga</i>.</p> <p>BT: Music</p>
Stealth	<p>SN: These games have an emphasis on stealth and avoiding detection. Representative games are <i>Metal Gear Solid</i> and <i>Tenchu: Stealth Assassins</i>.</p> <p>BT: Action</p>



Class: Metadata for Interactive Media

- Current research and practices
- User-focused research
- Analysis and design of metadata schemas
- Practical focus on group projects



Curating Collections of Video Game Development Artifacts



<https://www.imls.gov/grants/awarded/lg-86-18-0060-18>

THE VIDEO GAME HISTORY FOUNDATION

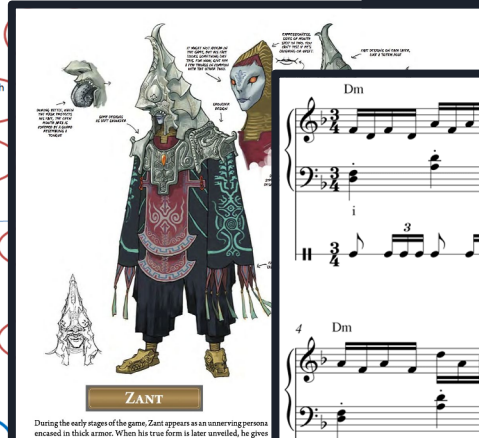
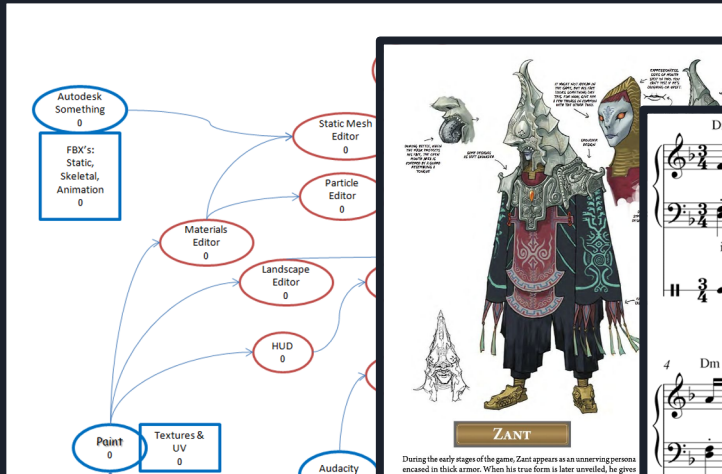
Motivation

Why do we want to preserve these game development artifacts?



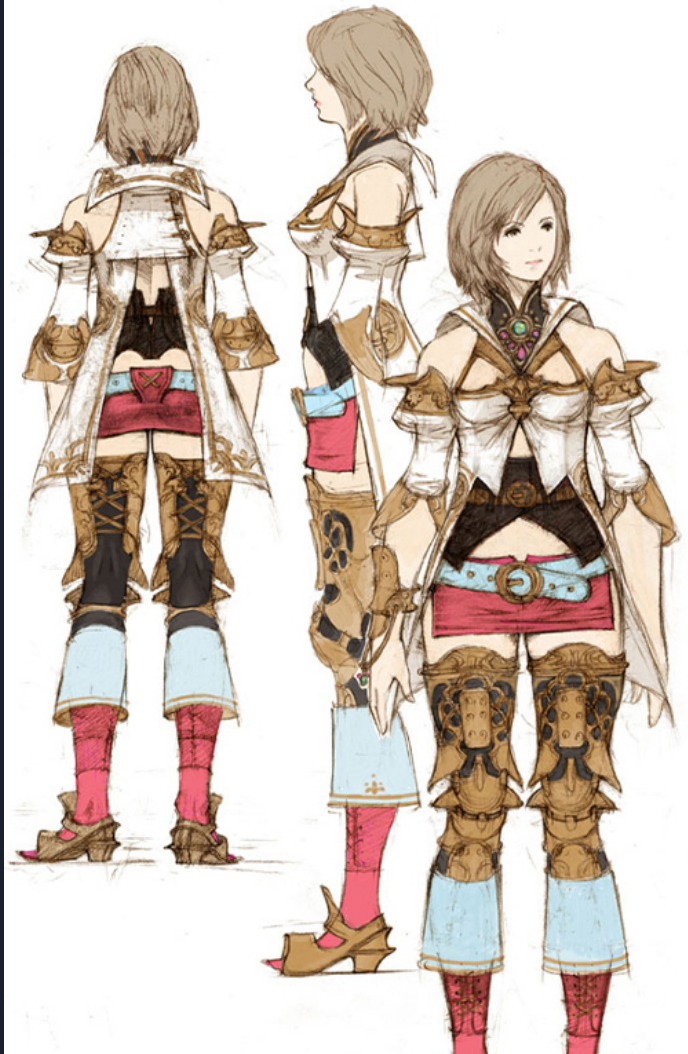
Goal

Produce a framework for cataloging artifacts related to the development of video games




Development Artifacts

- Game design documents
- Technical design documents
- Musical scores
- Marketing materials
- Test builds
- Artwork
- ...more



Development Artifacts

- Game design documents
 - Technical design documents
 - Musical scores
 - Marketing materials
 - Test builds
 - Artwork
 - ...more
- 





Research Questions

What artifacts are important?

What information is important when we describe these artifacts?





Research Questions

What needs do different stakeholders have?
(librarians, museum curators, researchers, students,
and users of libraries
and museums)

What issues and challenges
emerge as we try to catalog
sample collections?





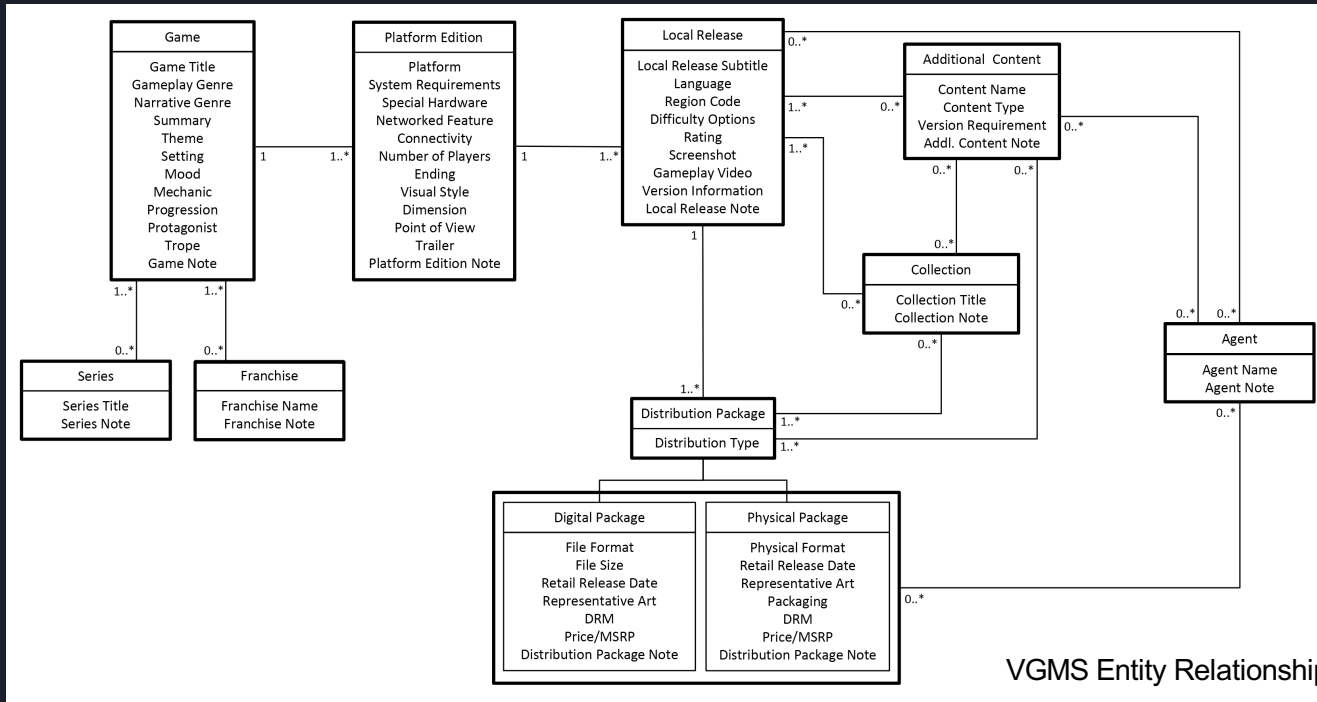
Contributions

- Represent complex media objects
- Standardize cataloging for game related materials
- Extend and complement existing standards

Advisory Board



Phase I



VGMS Entity Relationship Diagram

Phase I



Phase I



Phase II



Phase II





IT Identity and Project Behavior


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mschmalz@uw.edu



My Background

01 Tabletop and Digital Games

02 Web Development and Project Management

03 2012 MSIM from the iSchool



My Academic Interests

01 IT Development ➤ Project Management ➤ Risk Management

02 IT ➤ Digital Games

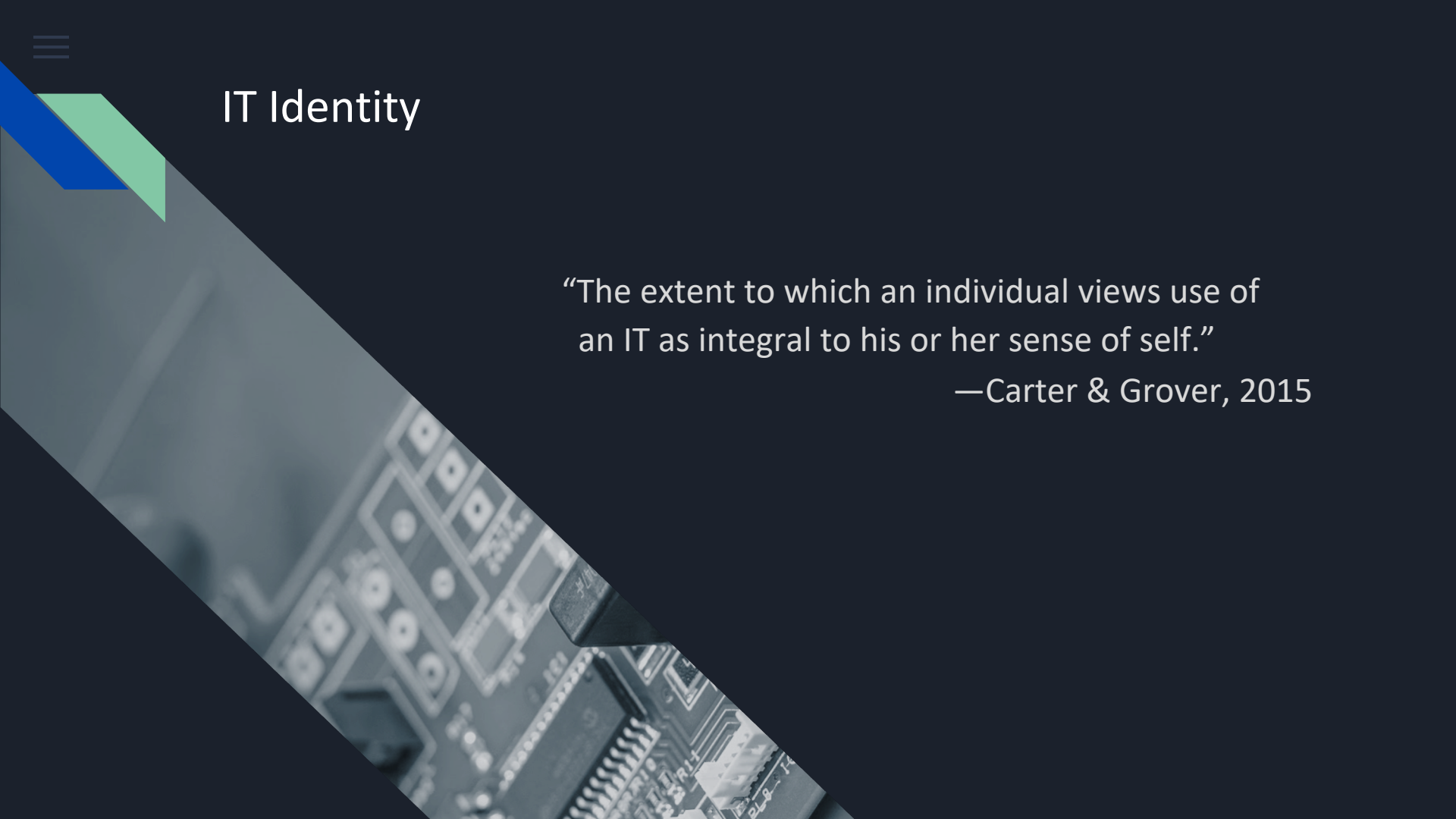
03 Identity ➤ IT Identity



IT Identity


“The extent to which an individual views use of an IT as integral to his or her sense of self.”

—Carter & Grover, 2015






Structural Symbolic Interactionist Identity Theories



Structural Symbolic Interactionist Identity Theories


I am...



Structural Symbolic Interactionist Identity Theories

I am...






Structural Symbolic Interactionist Identity Theories

It's-a me!...






Structural Symbolic Interactionist Identity Theories

It's-a me!...

1. ...a plumber.
2. ...a doctor.
3. ...an older brother.

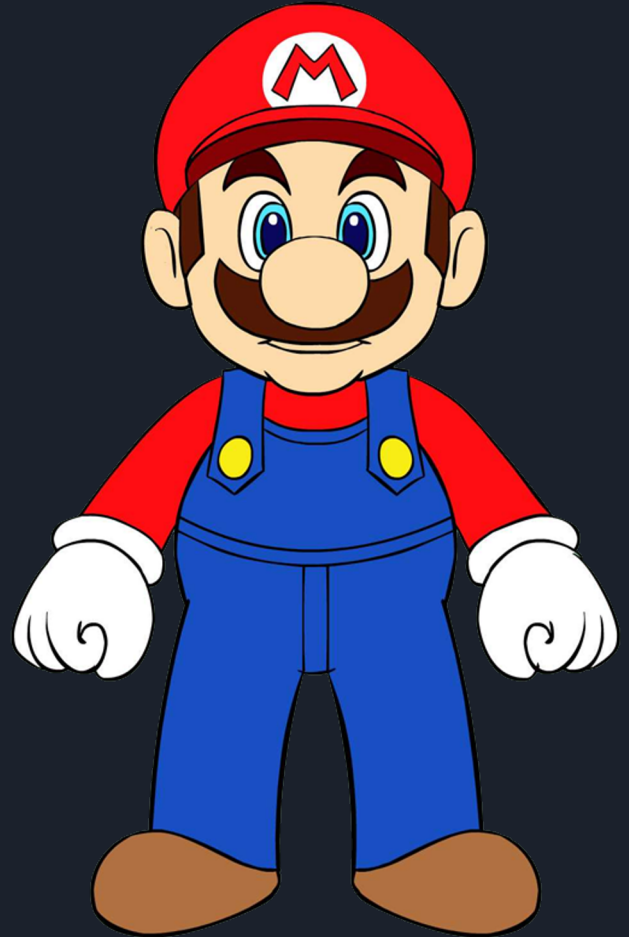





Structural Symbolic Interactionist Identity Theories

It's-a me!...

1. ...a plumber.
2. ...a doctor.
3. ...an older brother.
4. ...Italian.

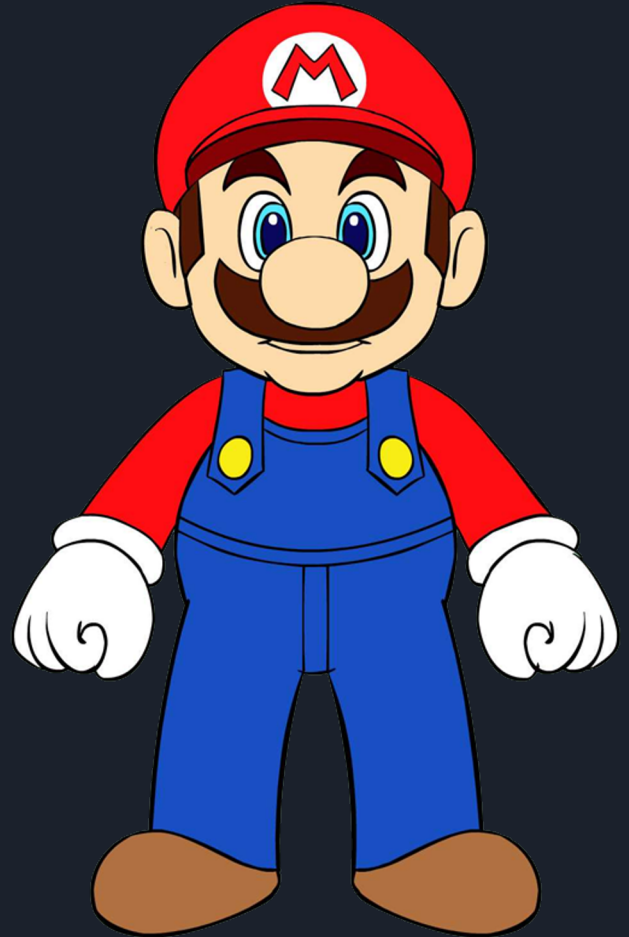





Structural Symbolic Interactionist Identity Theories

It's-a me!...

1. ...a plumber.
2. ...a doctor.
3. ...an older brother.
4. ...Italian.
5. ...a romantic.
6. ...short.





Structural Symbolic Interactionist Identity Theories

It's-a me!...

1. ...a plumber.
2. ...a doctor.
3. ...an older brother.
4. ...Italian.
5. ...a romantic.
6. ...short.
7. ...a mushrooms aficionado.
8. ...a coin collector.
9. ...my hats.



Structural Symbolic Interactionist Identity Theories

It's-a me!...

1. ...a plumber.
2. ...a doctor.
3. ...an older brother.
4. ...Italian.
5. ...a romantic.
6. ...short.
7. ...a mushrooms aficionado.
8. ...a coin collector.
9. ...my hats.

Type of
Identity

Role

Group

Person

Material

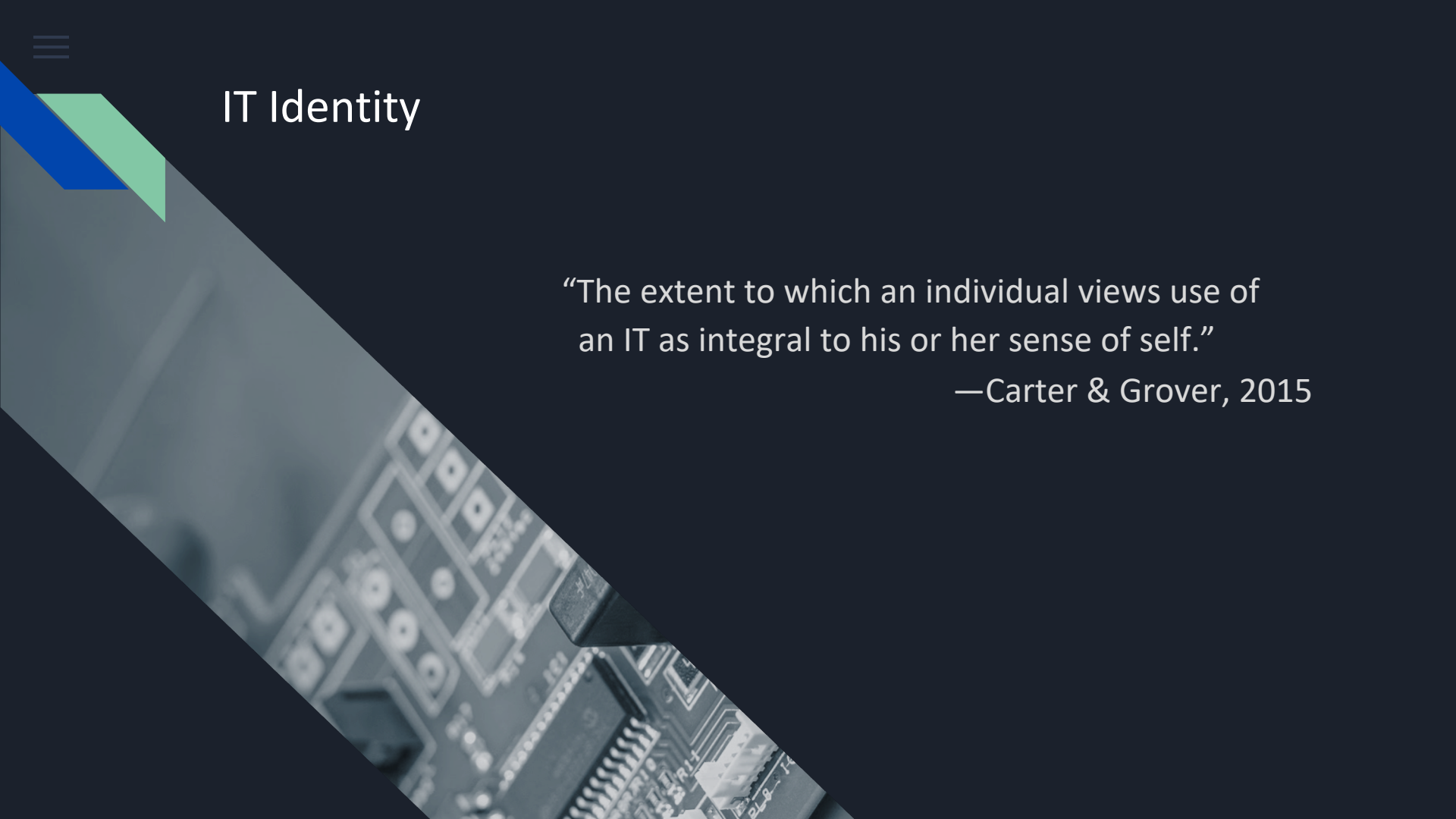




IT Identity

“The extent to which an individual views use of an IT as integral to his or her sense of self.”

—Carter & Grover, 2015





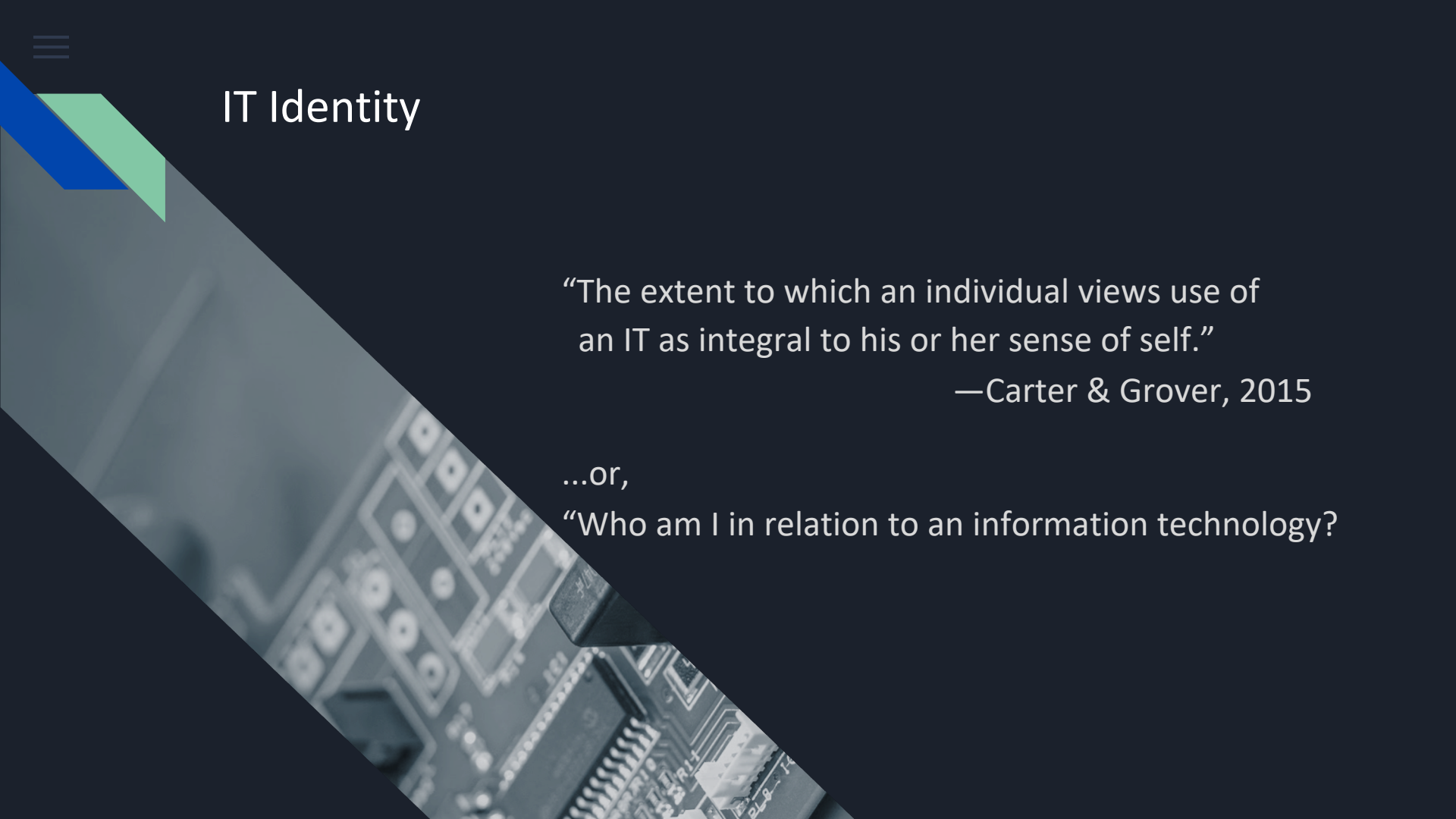
IT Identity

“The extent to which an individual views use of an IT as integral to his or her sense of self.”

—Carter & Grover, 2015

...or,

“Who am I in relation to an information technology?”



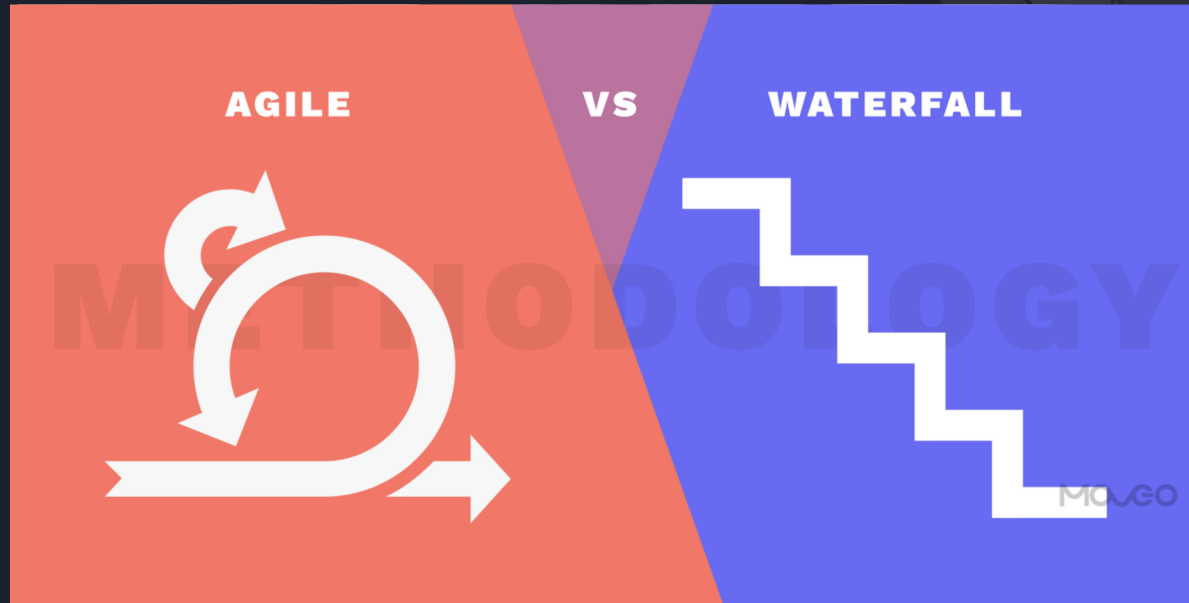
Identities are the Source of Behavior



Identities are the Source of Project Behavior



Agile Methods and IT Identity



Highly Consumerized Goods and IT Identity

SME - Inventory - Inventory

System • New • Lookup • Search Views • Tools • Affiliates • Help • New Features and addons • Rate Us! Advanced Search

Back Home Preferences Calculator Calendar Help Desk BarCoding Activities Dispatch Search QverView Open

New Search Navigate First Prior Neg Last Refresh Edit Delete Print/Email

No View Filter Applied Showing Active Inventory (Record 482 of 1822 records)

Item Name A-CS777 Item Number A-CS777

Notes QB Item Active

On Hand:	79	Reservent:	1	Available:	78	Unallocated:	71	Cost:	\$2,696.00
On PO:	0	JIT Count:	23	RMA Out:	0	Allocated:	7	Retail Value:	\$5,925.00

KB Items Purchase History Transaction History Stored Documents Journal Activities Link Options Snapshot

Details and Settings Ordering Information Vendors Pricing Levels Price Books Stock Material Details

Item Name A-CS777 Item Number A-CS777

Description LCD Wall Mount - 15-20", Black, 3 axis adjustable arm

Parent Item

System Type CCTV

Group Code Misc. equipment

Item Cost \$34.00 Retail \$75.00

Condition New

Status

Default Location CCI-Lakeland

Man. Part Number A-CS777

Class

Shelf

Bin

HW Version SW Version

Cust. Warranty Months 0

Vendor Warranty Months 0

Labor Hours 0.00

MTBF 0.00

☐ Non-Taxable ☐ Preapproved Purchase Order ☐ Non-Inventory

☐ Add to Cust EQ ☐ Serialized ☐ Force JK

☒ Is Active ☐ Maintain Price Books ☐ Don't update cost when receiving from PO

☐ Show on Tech Portal

Photo Options



My Research Question

In what ways, if any, does self-identification with an IT under development affect project team members' personal risk-related decision-making behavior on IT projects?





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