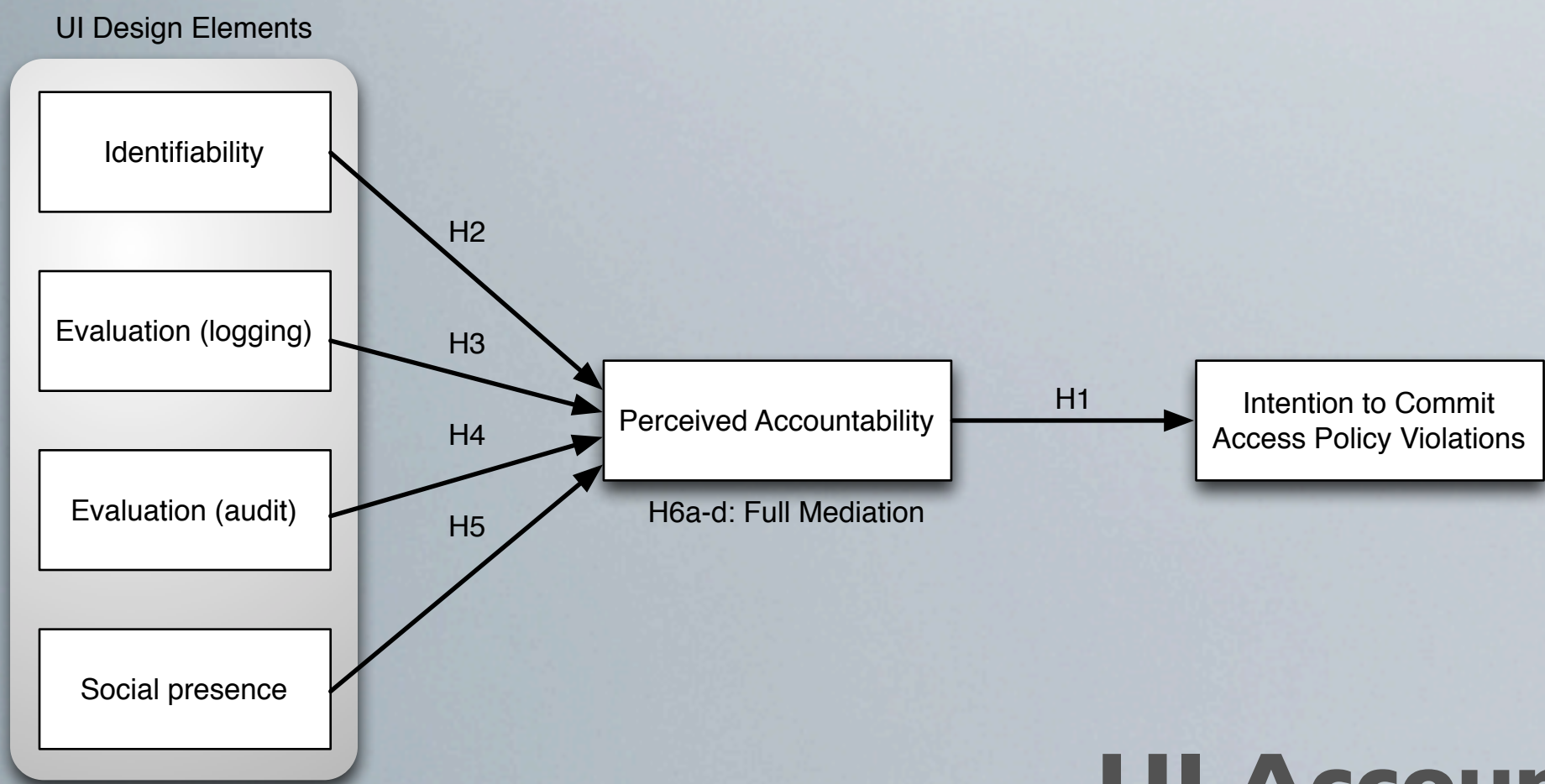


# DETECTING UNAUTHORIZED ACCESS BY INSIDERS: RAISING PERCEPTIONS OF ACCOUNTABILITY IN END USERS THROUGH USER INTERFACE ARTIFACTS

Anthony Vance, Brigham Young University



## Systems Accountability Model



- Unauthorized access by insiders is a major concern for organizations with large databases of sensitive information.
- Users typically are granted broad access within systems. “Least privilege” access control doesn’t prevent abuse of privileges properly granted.
- Accountability, the expectation of having to answer to someone for one’s actions, is a powerful inhibitor of norm-breaking behavior.
- This research examines how to raise perceptions of accountability through design artifacts in the user interface.

## UI Accountability Artifacts

### Identifiability



### Evaluation

Audit Summary		
User Audited	Auditor	Date Audited
John Ostler	Jason Freeman	March 10, 2011
Eric Williams	Jason Freeman	March 10, 2011
Kathy Thomas	Jason Freeman	March 10, 2011
Sheila VanHeusen	Jason Freeman	March 9, 2011
Gary Hendrickson	Jason Freeman	March 9, 2011
<a href="#">view more...</a>		

### Justification



### Monitoring

Your Recent Activity	
Timestamp	Activity Type
03-18-11, 10:30 AM	Read, 4920-5-5245, John Wilson
03-11-11, 10:54 AM	Class drop, 4023-1-4340, Gary Syphus
03-11-11, 10:30 AM	Read, 4023-1-4340, Gary Syphus
03-11-11, 9:55 AM	Read, 0279-3-9381, Eric Allred
03-11-11, 9:50 AM	Read, 0279-3-9381, Eric Allred
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### Social Presence

Users Online		
User	Current Activity	
Jason Freeman	Auditing	<a href="#">view screen</a>
Gary Henrickson	Updating financial records	<a href="#">view screen</a>
Eric Williams	Student record summary	<a href="#">view screen</a>
Sheila VanHeusen	Student record summary	<a href="#">view screen</a>
Kathy Thomas	Editing scholarships	<a href="#">view screen</a>
<a href="#">view more...</a>		