# Introducing Vireo ETD Submittal and Management for DSpace

Adam Mikeal, Scott Phillips, John Leggett, Mark McFarland

**Texas Digital Library** 

# Agenda

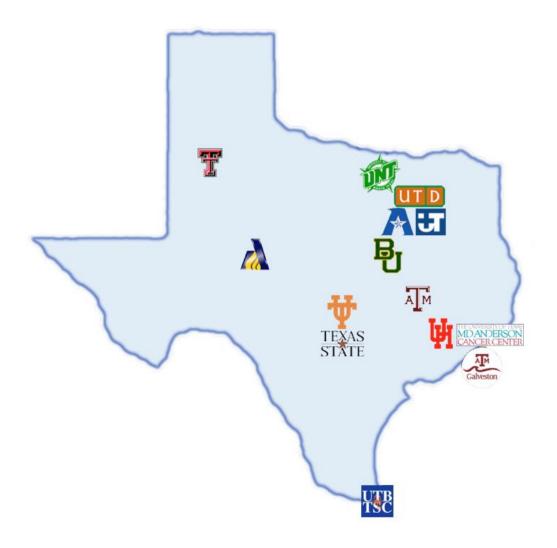
- Overview
- Implementation
- Interfaces
- Conclusion

# Texas Digital Library

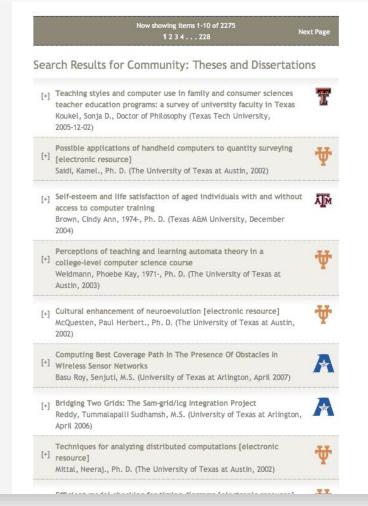


# Texas Digital Library

- State-wide initiative
- Eighteen members
  - Public/Private
  - Small/Medium/Large



### ETDs in TDL



Titles Subjects

This Community

By Issue Date Authors Titles Subjects

## Vireo

- What?
- Why?
- *How?*

### What is Vireo?

- Electronic Theses and Dissertations
- Manages entire ETD lifecycle
  - Ingestion
  - Review
  - Publication

# Why Vireo?

- ETDs have unique metadata needs
- ETDs have complex workflows
  - Multiple participants
  - Iterative review process
  - Variable publication delays

### How does Vireo work?

- Built on Manakin
  - Paired set of Themes and Aspects
- Uses Shibboleth
- MODS XML, ETD-MS
- Audience-specific interfaces

# Vireo and DSpace

- Each interface is a paired Aspect and Theme
- Extra information is stored in 3 new tables
- One-to-one mapping between Vireo records and DSpace items
- Collections are "managed" by Vireo

### Vireo items

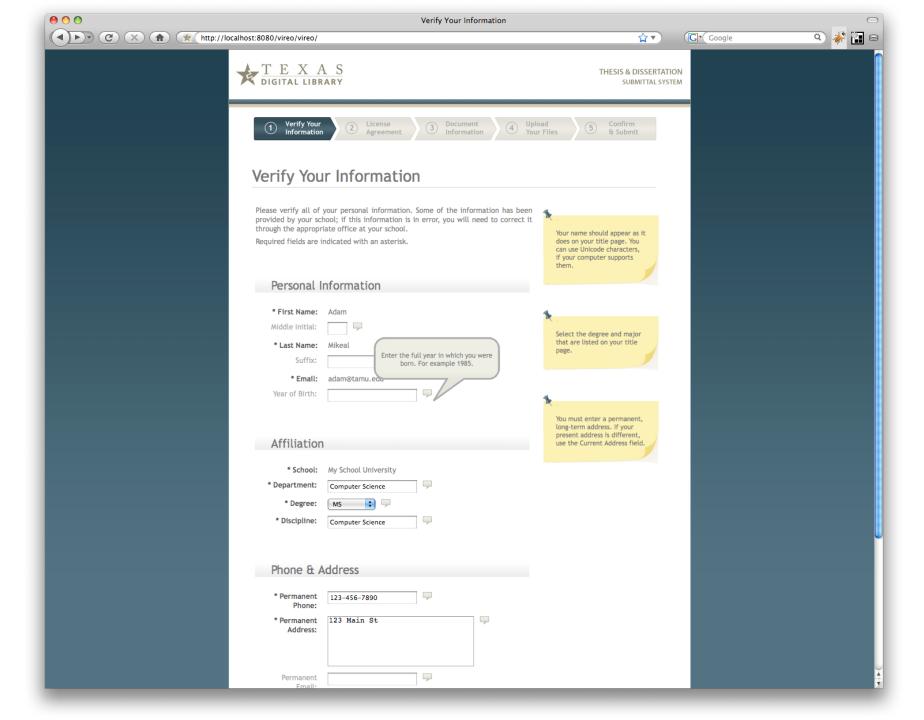
- Action log is stored with item as a bitstream
- Older versions of files stored in an protected ARCHIVED bundle
- Either DSpace or Vireo can manage handles

## Interfaces

- Discussion
- Walk-through

### Vireo interfaces

- 2 different workflows = 2 unique interfaces
- **Student** submittal interface
  - Novice interface
  - Focus on ease-of-use
- Staff management interface
  - Expert interface
  - Focus on efficiency





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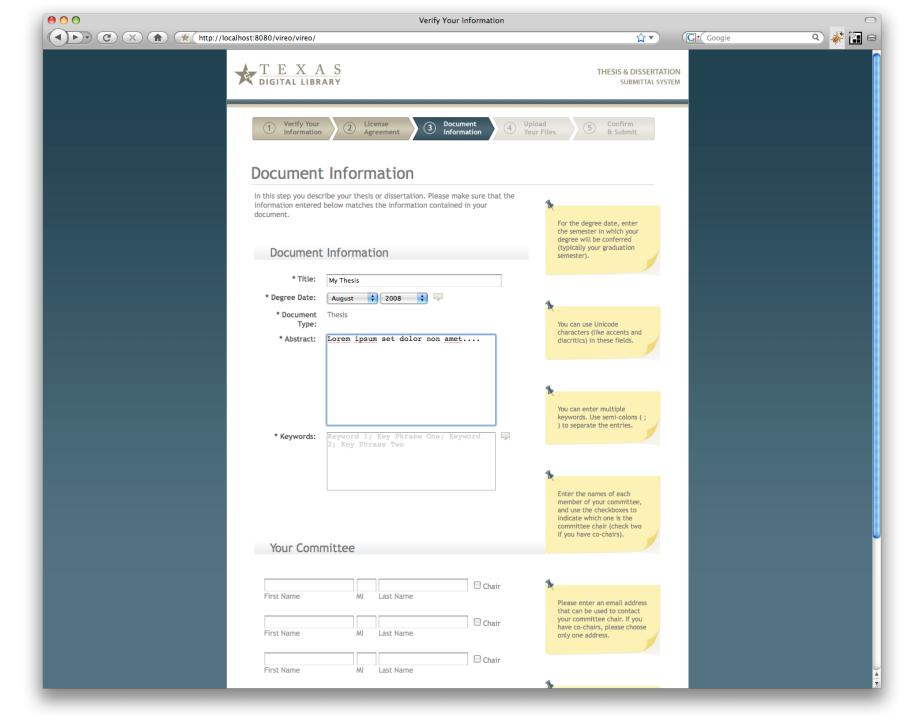
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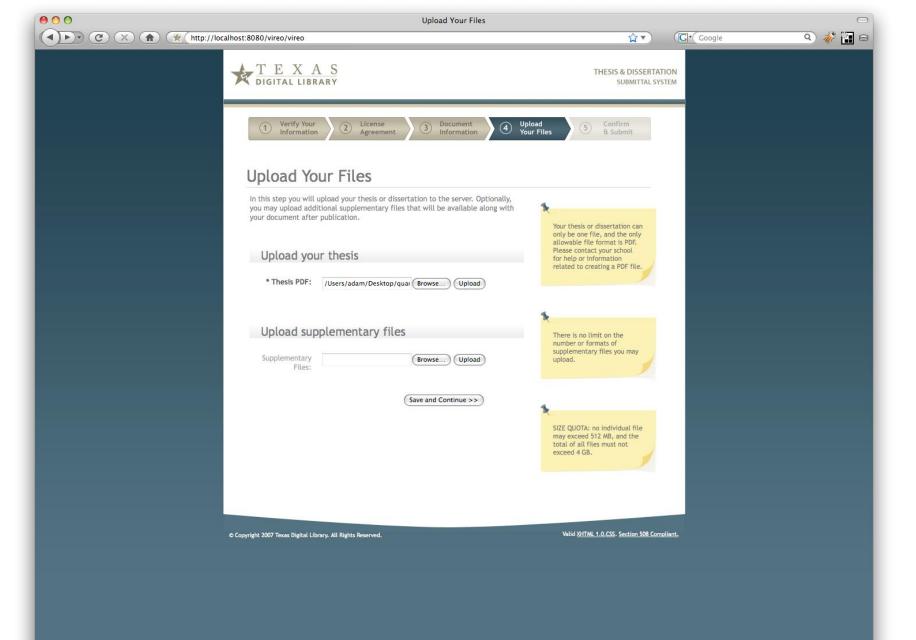
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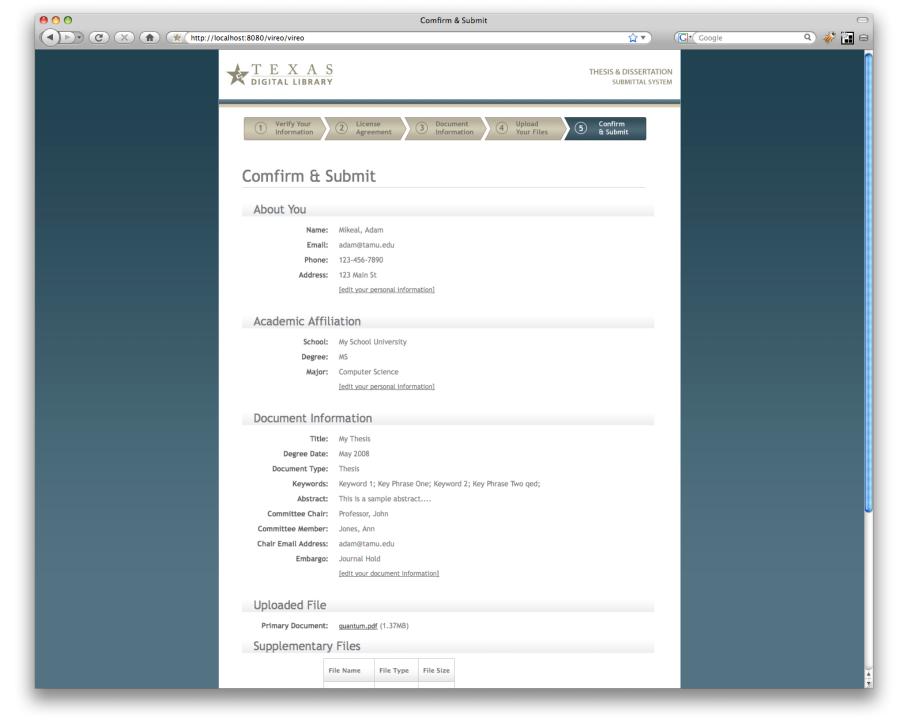
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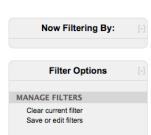
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### List available ETDs

Student name	name Status Assigned to Document title		Submission date	
Mikeal, Adam B.	Published	Diane Holt	The Changing Face of Scholarly Communication	18 Jan 2008
Creel, James S.	Approved	Diane Holt	Intention Is Commitment with Expectation	18 Jan 2008
Pampell, Stephen M.	Needs Correction	Amy Motquin	I like titles	18 Jan 2008
Liiii, Yixuan	Published	Philip Mattingly	Assembly of the Mot protein complex into the Escherichia coli flagellar mo	18 Jan 2008
Greenly, Cody B.	Under Review	Unassigned	Underwater left-handed basket weaving	18 Jan 2008
Mikeal, Adam, III	Withdrawn	Unassigned	Viewing Dexter with open eyes	18 Jan 2008
Tarpley, Jeremy	Submitted	Diane Holt	DETERMINING THE VALIDITY AND RELIABILITY OF THE CULTURAL AWARENESS AND BEL	18 Jan 2008
Maslov, Alexey	Pending Publication	Unassigned	On the breeding habits of porcupines	18 Jan 2008
Messinger, Christina	Submitted	Unassigned	how stuff works	18 Jan 2008
Mikeal, Adam	Needs Correction	Laura Hammons	Fear and Trembling: A Fresh Look	18 Jan 2008
Tarpley, Jeremy	Submitted	Diane Holt	How to dig holes of various sizes.	18 Jan 2008
Liles, Benjamin F., IV	Needs Correction	Amy Motquin	Implementing Persistent Identifiers	18 Jan 2008
Ponsford, Bennett	Submitted	Unassigned	A PROCESS FOR CREATING CELTIC KNOT WORK	22 Jan 2008
Ponsford, Bennett	Submitted	Unassigned	Beatrix and Autti of Huntingdon and Their Daughter Theodora: Parent/Child	22 Jan 2008
Hammons, Laura	Under Review	Amy Motquin	My Dissertation	30 Jan 2008
Mikeal, Adam	Submitted	Unassigned	How We May Think	01 Feb 2008
Tarpley, Jeremy	Submitted	Unassigned	Depressed Candidate Runs Attack Ad About Self	05 Feb 2008
Hammons, Laura	Waiting On Requirements	Unassigned	Test Title2	12 Feb 2008
Hammons, Laura	Submitted	Unassigned	Ag History	12 Feb 2008
Mikeala, Adam	Waiting On Requirements	Diane Holt	My cool thesis title	
Mikeal, Adam	Submitted	Laura Hammons	asdc	28 Feb 2008
Mikeal, Adam	Submitted	Unassigned	kjhgq	29 Feb 2008
Peschel, Joshua M.	Submitted	Unassigned	TRADE, PIRACY, AND NAVAL WARFARE IN THE CENTRAL MEDITERRANEAN: THE MARITIM	29 Feb 2008
Krueger, Cara B.	Submitted	Unassigned	Cara's Dissertation	29 Feb 2008
Catanach, Therese A.	Submitted	Unassigned	t	29 Feb 2008
Adair, Irene N.	Submitted	Unassigned	Interactive Storytelling Engines	29 Feb 2008
Wyckoff, Robert T., II	Submitted	Unassigned	Laying Claim to the Domestic	29 Feb 2008
Ponsford, Bennett	On Hold	Unassigned	sdkjf;la	29 Feb 2008
Ji, Yue	Submitted	Unassigned	aaaa	29 Feb 2008
Anuar, Faiz I.	Published	Unassigned	INTERACTIVE STORYTELLING ENGINES	29 Feb 2008
Karadkar, Unmilsdfg P.	Needs Correction	Diane Holt	MIDAS	29 Feb 2008
Pang, Chengzong	Submitted	Unassigned	PhD Disseration	29 Feb 2008
Sosa, Gabriela	Submitted	Unassigned	Trade, Piracy, and Naval Warfare in the Central Mediterranean	29 Feb 2008
Ponsford, Bennett	Submitted	Unassigned	adj;alfskjd	29 Feb 2008
Ponsford, Bennett C.	Submitted	Unassigned	"THAT TRUTH THAT LIVES UNCHANGEABLY": THE ROLE OF ONTOLOGY IN THE JUST WAR	03 Mar 2008
Holt, Diane R.	Waiting On Requirements	Adam	Help Is on the Way	06 Mar 2008
Motquin, Amy C.	Needs Correction	Unassigned	Fat Boys Eat and Dogs Run	06 Mar 2008
Hammons, Laura	Under Review	Carole Johnson	A Dissertation Regarding Life	06 Mar 2008
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Mikeal, Adam	Submitted	Unassigned	My Cool Title	02 May 2008

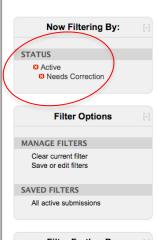
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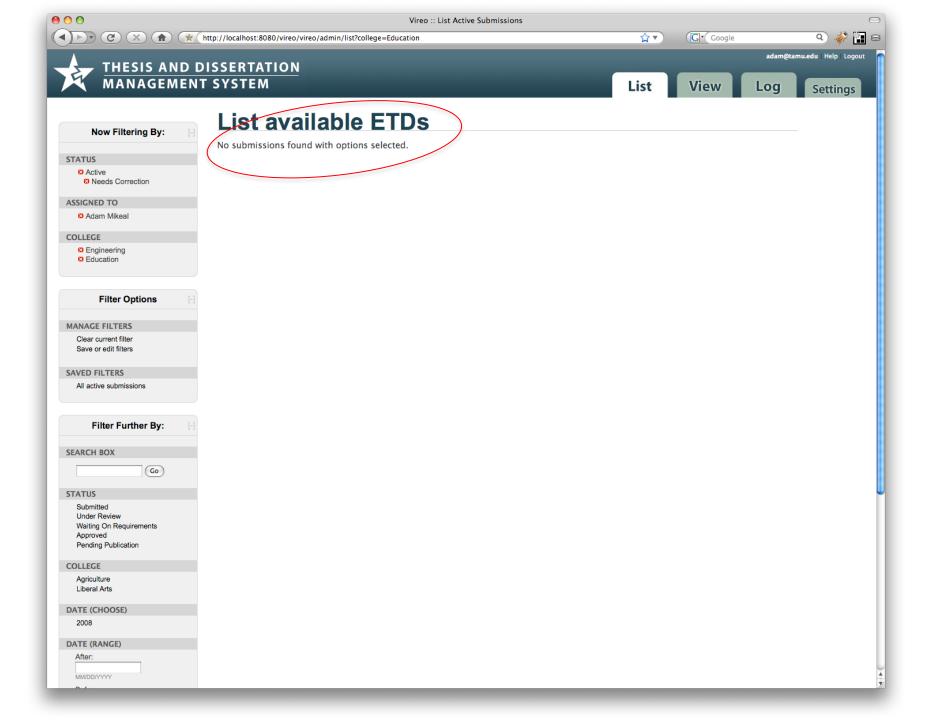
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Ponsford, Bennett	Submitted	Unassigned	adj;alfskjd	29 Feb 2008
Ponsford, Bennett C.	Submitted	Unassigned	"THAT TRUTH THAT LIVES UNCHANGEABLY": THE ROLE OF ONTOLOGY IN THE JUST WAR	03 Mar 2008
Mikeal, Adam	Submitted	Unassigned	My Cool Title	02 May 2008
Mikeal, Adam	Submitted	Unassigned	asdfg	05 Jun 2008
Leggett, John	Submitted	Unassigned	My Bodacius Doctor Degree	06 Jun 2008
Hammons, Laura	Submitted	Laura Hammons	sample title	11 Jun 2008
Hammons, Laura	Submitted	Unassigned	A Sample Thesis	13 Jun 2008
Hammons, Laura	Submitted	Unassigned	EDAD Dissertation	19 Jun 2008







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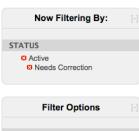
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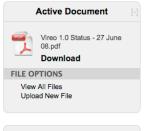
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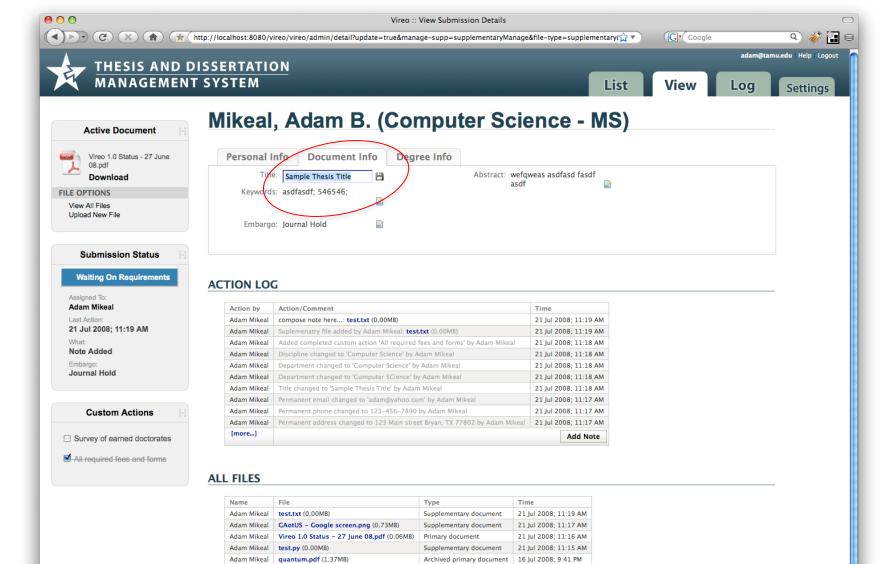
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Middle Initial:	В				123 Main street Bryan, To	Κ
Last Name:	Mikeal			Address:	77802	<u> </u>
Suffix:			Perm	anent Email:	adam@yahoo.com	Ø.
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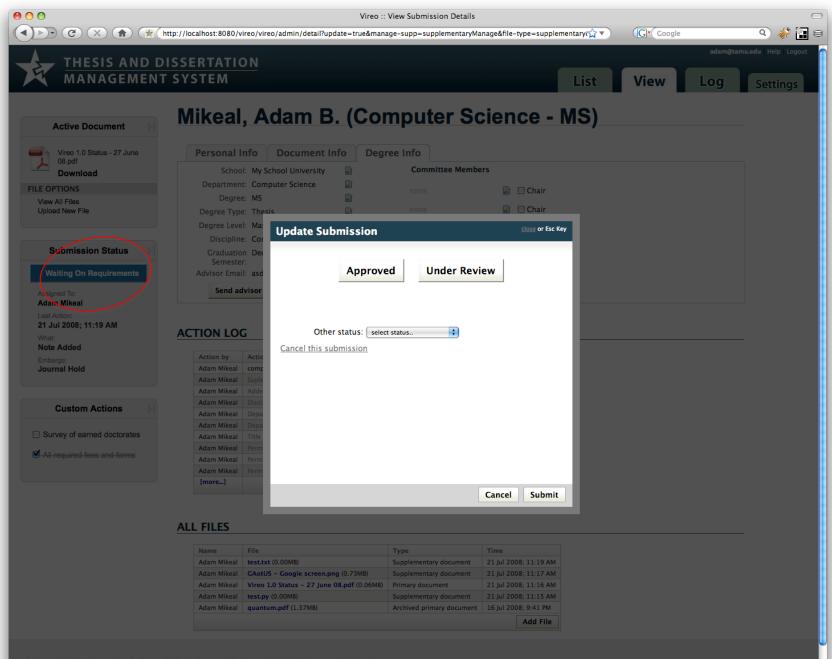
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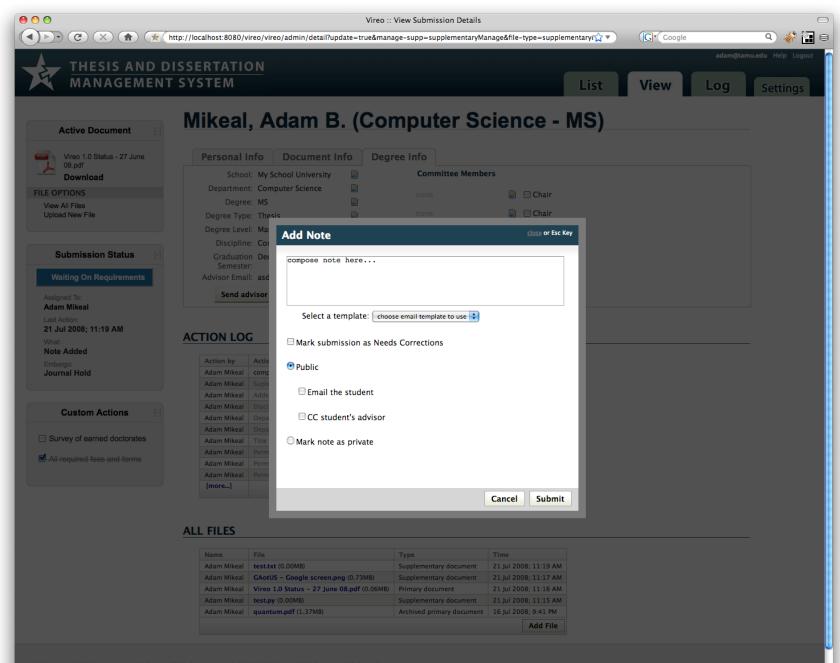
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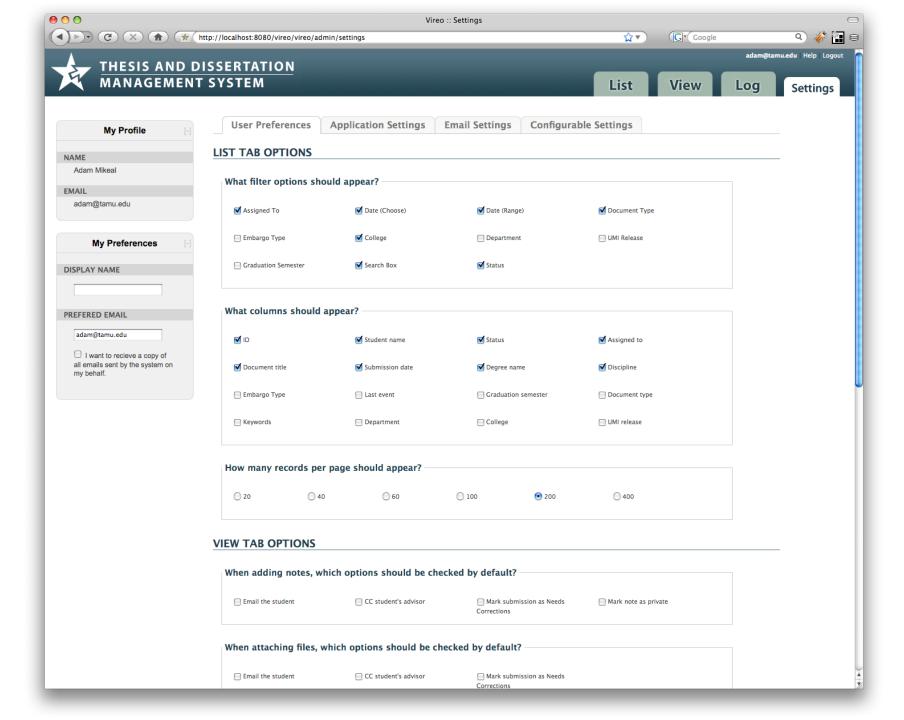
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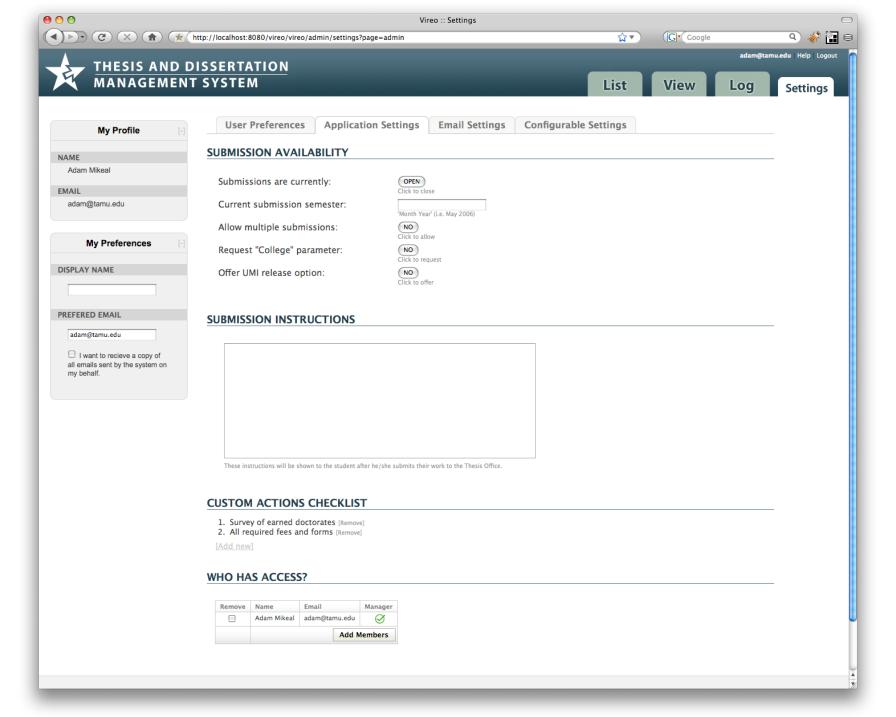


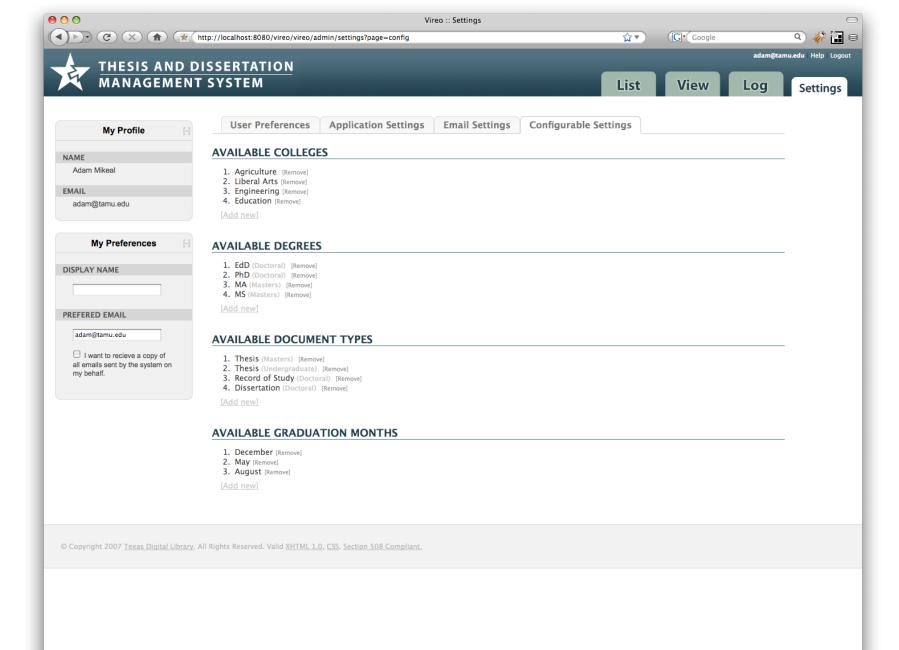
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### Conclusion

- Texas deployment
- Future plans
- Acknowledgements

# Texas deployment

- Production
  - Texas A&M University
- Testing
  - The University of Texas, Texas Tech University
- Evaluation
  - UT Medical Branch

# Future plans

- Community development
- Partnerships & collaboration
- Open-source release



National Leadership Grant #LG-05-07-0095-07

# Questions