

CSE 408 Project

# Forage

ERD and Class

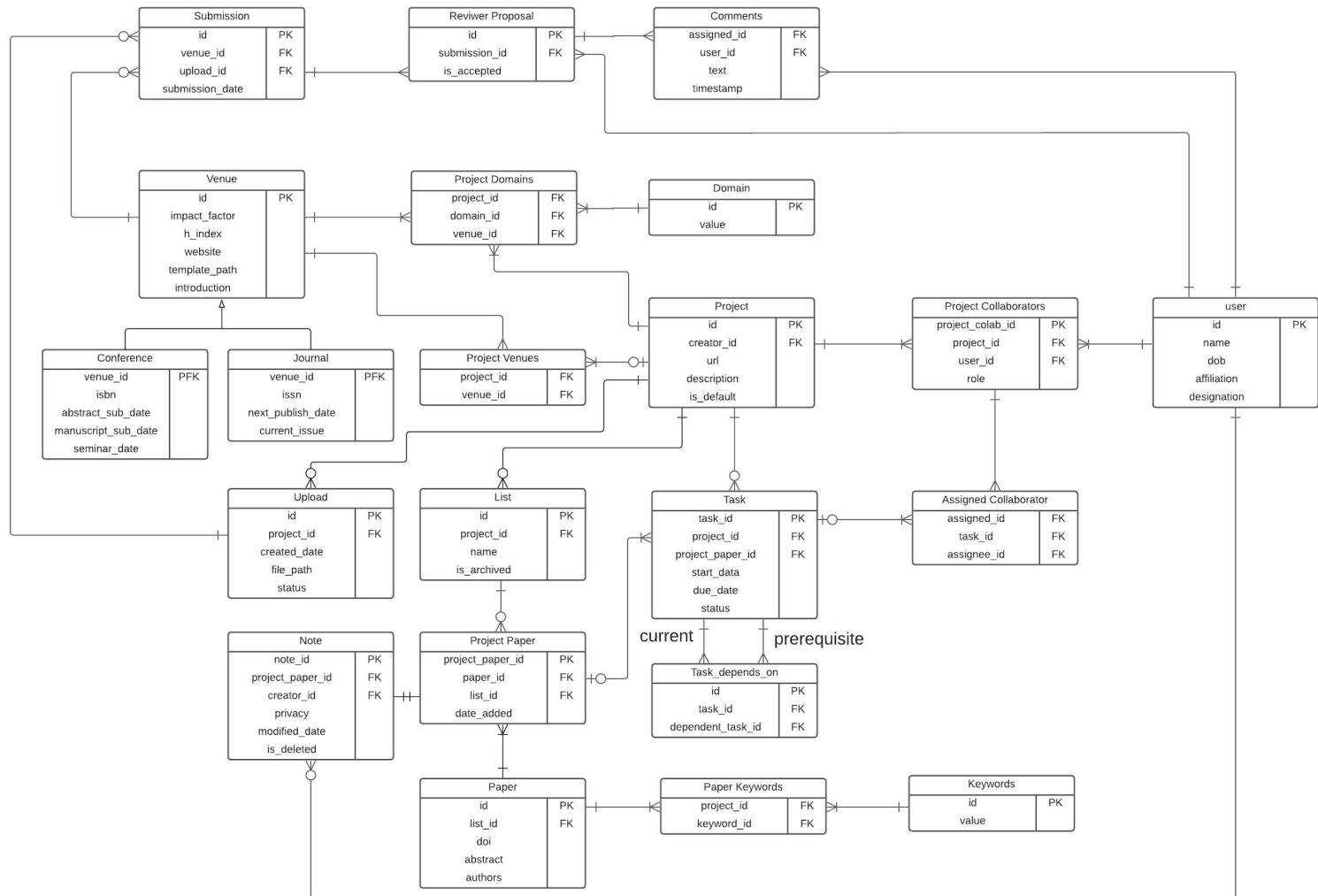
GROUP 8

1705037

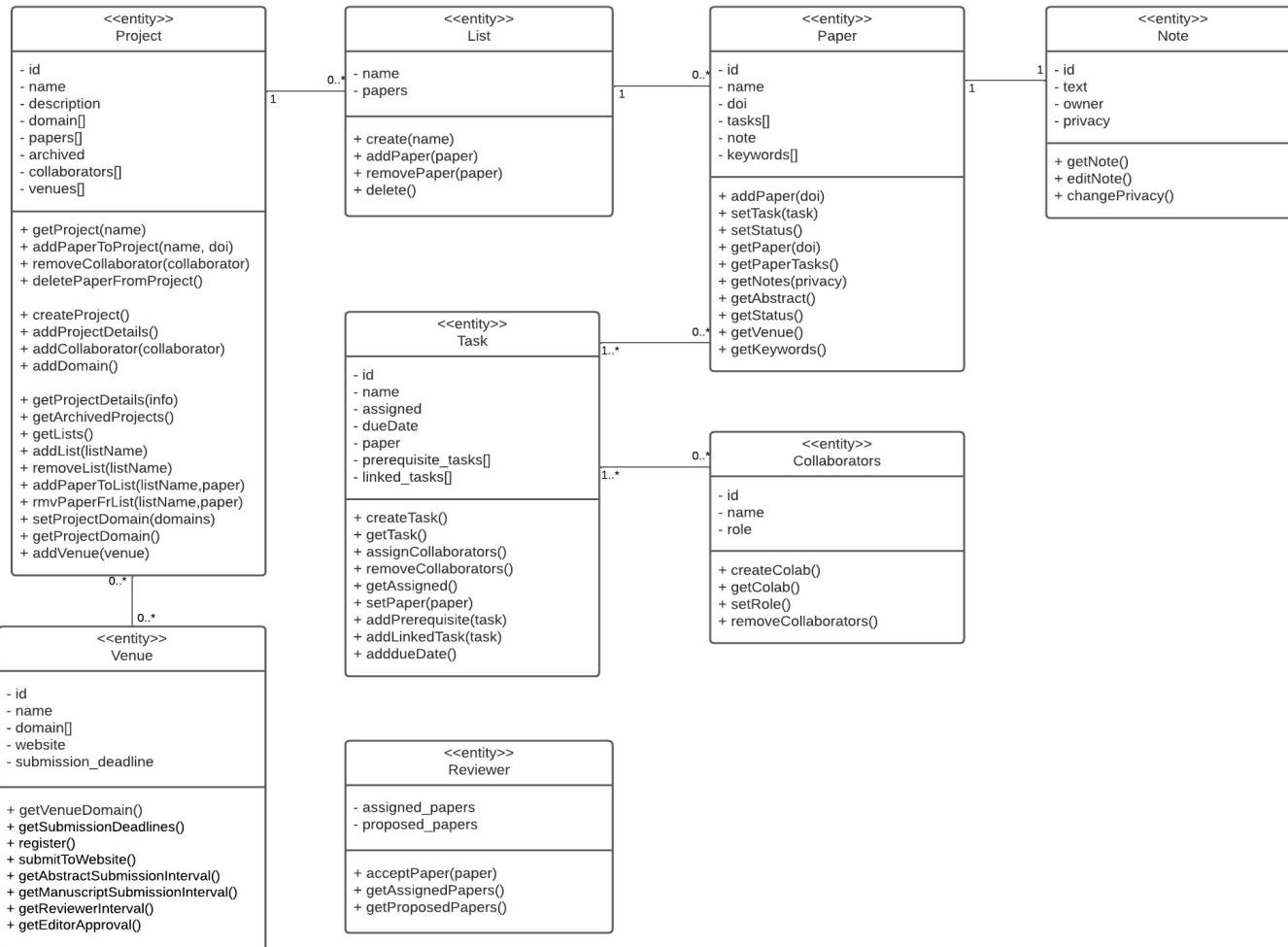
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# ERD & Class Diagrams

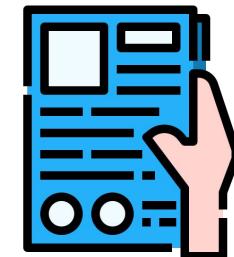
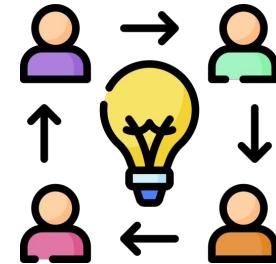


<b>&lt;&lt;boundary&gt;&gt; ExtensionUI</b>	<b>&lt;&lt;control&gt;&gt; Extension</b>	<b>&lt;&lt;boundary&gt;&gt; ProjectPapersUI</b>	<b>&lt;&lt;control&gt;&gt; ProjectPapersControl</b>	<b>&lt;&lt;boundary&gt;&gt; TaskUI</b>
+ showProjects() + addPaperToProject() + deletePaperFromProject() + showCollaborators() + setStatus()	+ getProjects() + updatePapersInProject() + removePaperFromProject() + assignCollaboratorToPaper() + getCollaborators() + changeStatus()	+ showLists(projectName) + onClickAddList(projectName) + addCollaborators(colab) + viewPaper(paper) + movePaper() + onClickDeleteList(listName)	+ getLists(projectName) + addList(projectName) + changePaperList(paper,fromList,toList) + archiveList(listName) + getCollaborators() + addCollaboratorsProject(colab)	+ create() + changeColab() + addTaskInfo(info) + getAddedPapers() + addPaperToTask()
<b>&lt;&lt;boundary&gt;&gt; PaperUI</b>	<b>&lt;&lt;control&gt;&gt; PaperControl</b>	<b>&lt;&lt;boundary&gt;&gt; SubmissionModalUI</b>	<b>&lt;&lt;control&gt;&gt; SubmissionControl</b>	<b>&lt;&lt;boundary&gt;&gt; TaskControl</b>
+ showPaperInfo(paper) + showTasks(paper) + showAssigned(task) + showNote(projectName, paper) + changeNote(text) + changePrivacy(privacy) + showPublicNotes(paper, filter) + showRecommendations(paper)	+ getPaperInfo(paper) + showTasks(paper) + showAssigned(task) + showNote(paper) + updateNote(text) + changePrivacy(privacy) + getPublicNotes(paper, filter) + sortNotes(paper, filter) + generateReco(paper,keywords)	+ viewSubmissionInfo() + viewReviewerInfo() + viewComments() + addCommentUI() + addDrafts()	+ generateSuggestions() + addVenueToProject() + getUpcomingVenues() + registerToSelectedVenue() + submitDraftToVenue() + getSubmissionTimeline()	+ setDetailsTask() + getDetailsTask() + retrievePaperFromProject() + linkPaperToTask() + updateColaborators()
<b>&lt;&lt;boundary&gt;&gt; ReviewerUI</b>	<b>&lt;&lt;control&gt;&gt; ReviewerControl</b>	<b>&lt;&lt;boundary&gt;&gt; SubmissionUI</b>	<b>&lt;&lt;boundary&gt;&gt; ProjectUI</b>	<b>&lt;&lt;control&gt;&gt; ProjectControl</b>
+ viewAssignedPapers() + viewProposedPapers() + onClickAcceptProposal(paper) + onClickRejectProposal(paper) + onClickEditReview(paper) + onClickApprove(paper)	+ getAssignedPapers() + getProposedPapers() + acceptProposal(paper) + rejectProposal(paper) + editReview(paper) + approveReview(paper)	+ showSuggestions() + addVenue() + showUpcomingVenues() + registerToVenue() + submitDraft() + showTimeline()	+ showProjects() + viewProject() + createProject() + deletePaperFromProject() + viewArchive() + addCollaborators()	+ getProjects() + getProjectDetails() + createProject() + getArchive() + setProjectDetails() + setToArchive() + addCollaboratorsToProject()



# Modules

- Literature Review
- Project Management
- Publishing
- Paper Reviewer



# Literature Review

# Literature Review



## Create Paper Collections

- Save **paper links** with one click (browser extension)
- Build paper collections under a **project**

← → ↻ 🌐 https://dl.acm.org/doi/10.1145/3448016.3459240 A ⌂ ⌂ ⌂

ACM DIGITAL LIBRARY ACM Association for Computing Machinery

Journals Magazines Proceedings Books SIGs Conferences People

Conference Proceedings Upcoming Events Authors Affiliations

Home > Conferences > MOD > Proceedings > SIGMOD/PODS '21 > Towards Demystifying Serverless Machine Learning Training

RESEARCH-ARTICLE

# Towards Demystifying Serverless Machine Learning

Authors: Jiawei Jiang, Shaoduo Gan, Yue Liu, Fanlin Wang, Gustavo Alonso, Ankit Singla, Wentao Wu, Ce Zhang [Authors Info & Claims](#)

SIGMOD/PODS '21: Proceedings of the 2021 International Conference on Management of Data • June 2021 • Pages 857–871 • <https://doi.org/10.1145/3448016.3459240>

Online: 18 June 2021 [Publication History](#)

3 591

**ABSTRACT**

The appeal of serverless (FaaS) has triggered a growing interest on how to use it in data-intensive applications such as ETL, query processing, or machine learning (ML). Several systems exist for training large-scale ML models on top of serverless infrastructures (e.g., AWS Lambda) but with

**Saved!** [Remove](#)

Add to project

Serv

Serverless ML  
Distributed Server  
Client Server Model

Feedback

SIGMOD/PODS '21: Proceedings of the 2021 International Conference on Management of Data • June 2021 • Pages 857–871 • <https://doi.org/10.1145/3448016.3459240>

← Previous Next →

← → ↻ 🌐 https://dl.acm.org/doi/10.1145/3448016.3459240 A ⌂ ⌂ ⌂ 🔍

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Home > Conferences > MOD > Proceedings > SIGMOD/PODS '21 > Towards Demystifying Serverless Machine Learning Training

RESEARCH-ARTICLE

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Online: 18 June 2021 [Publication History](#)

3 591

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SIGMOD/PODS '21:  
Proceedings of the...  
Towards Demystifying  
Serverless Machine...  
Pages 857–871

Feedback

← Previous Next →

**ABSTRACT**

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**Saved!** Remove

Added to project 'Serverless ML' ✓

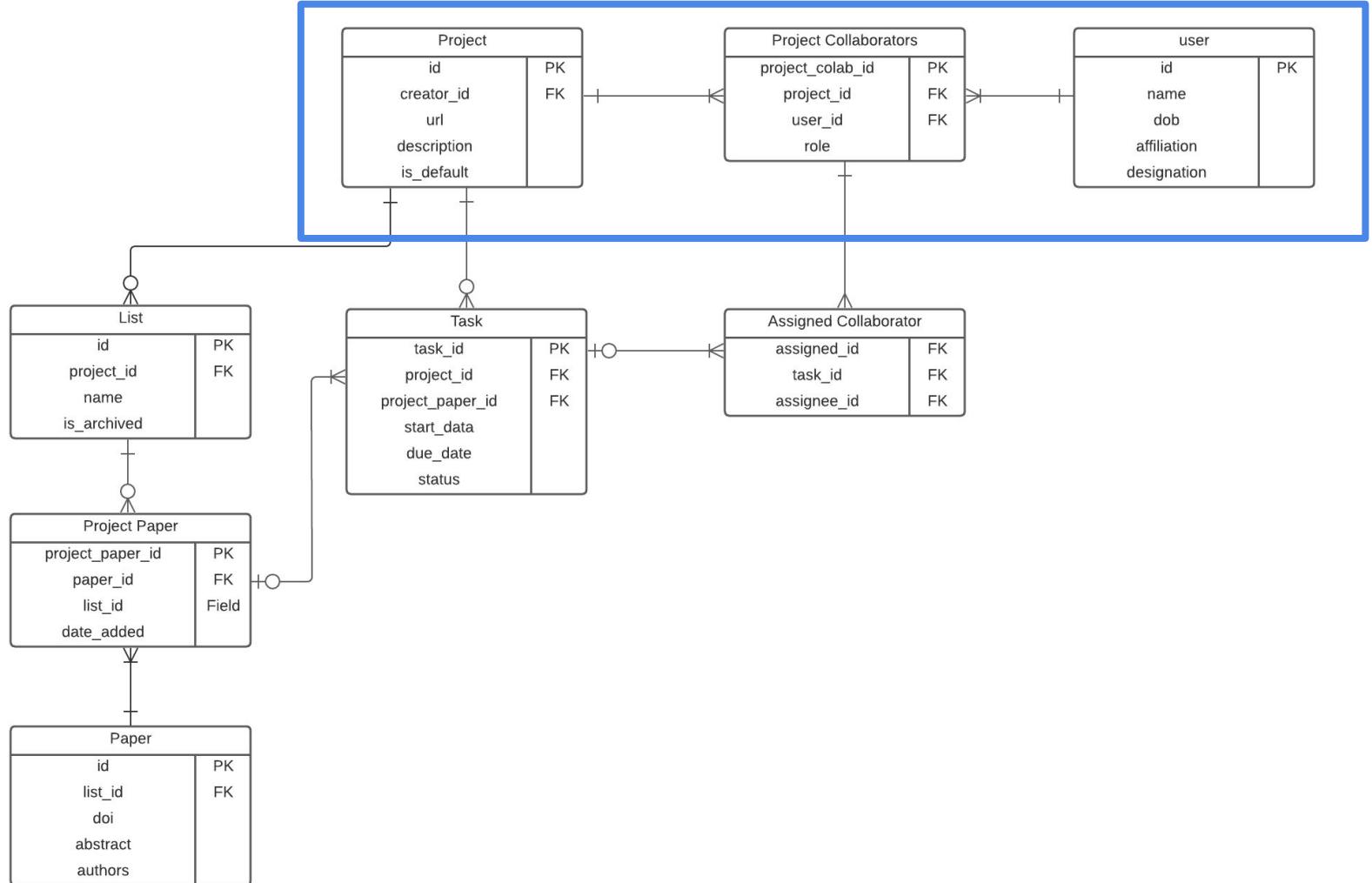
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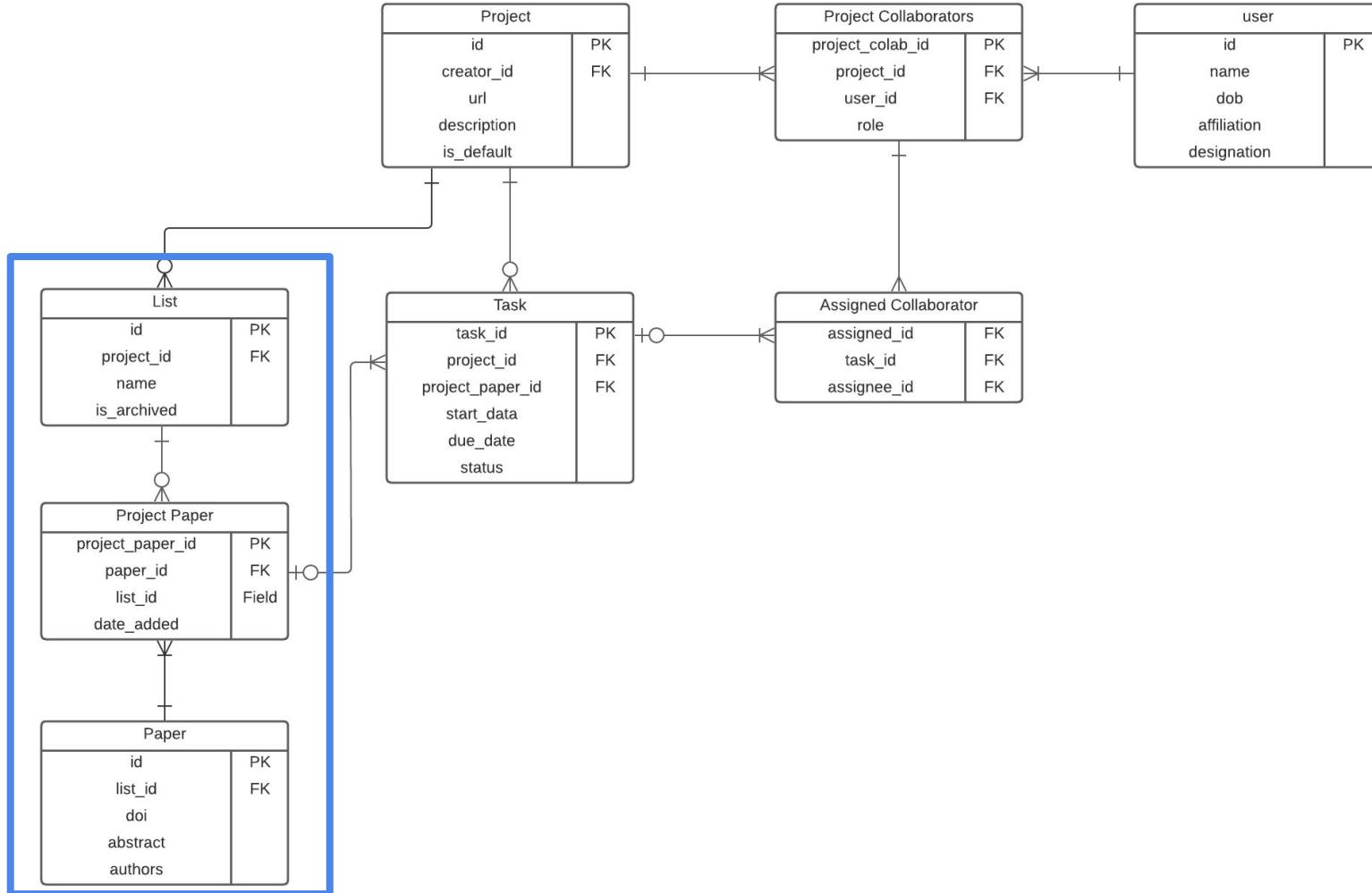
Smith Randolph

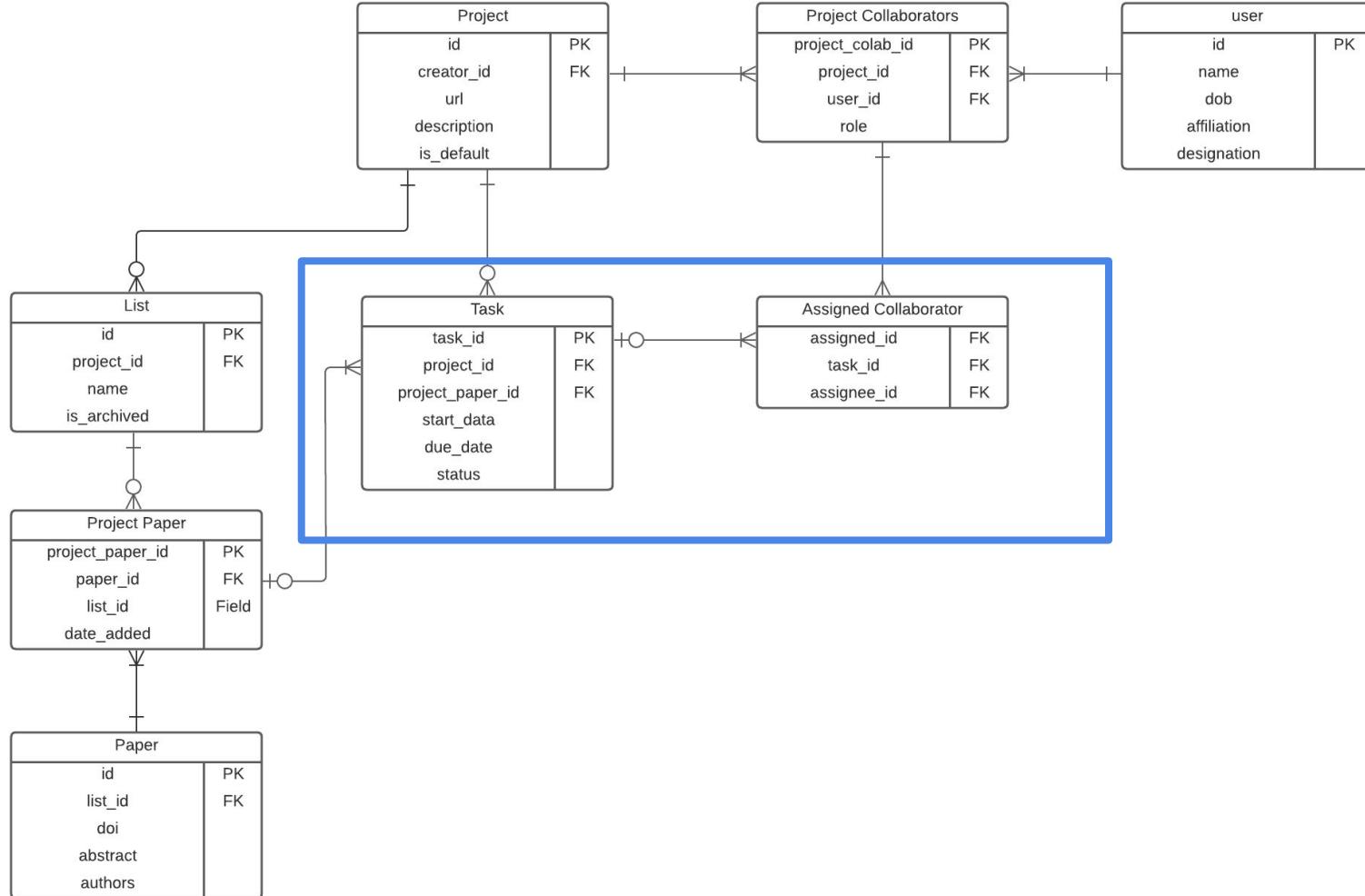
New Collaborator +

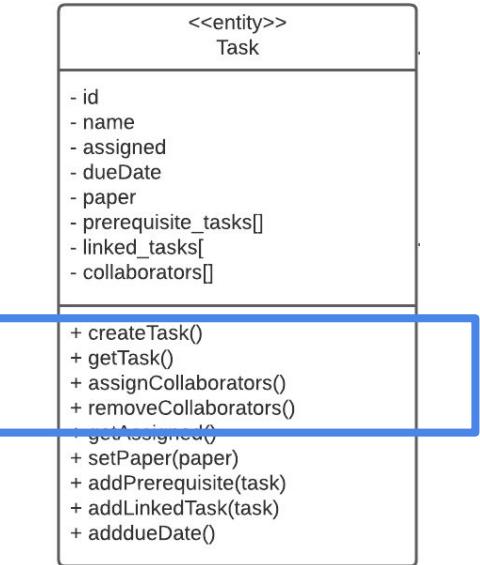
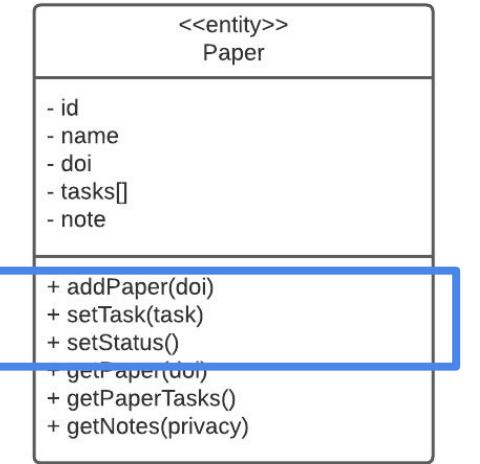
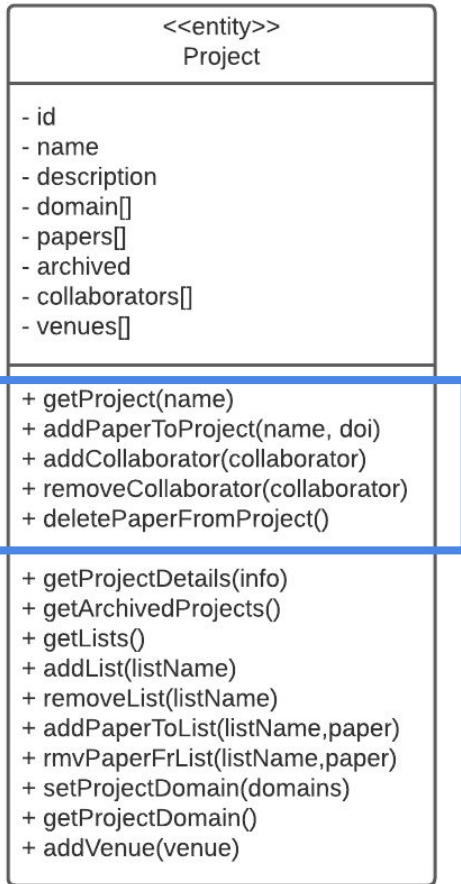
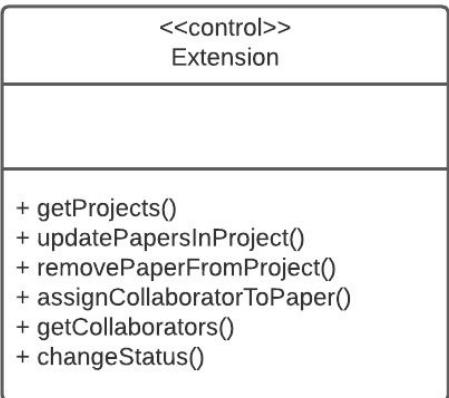
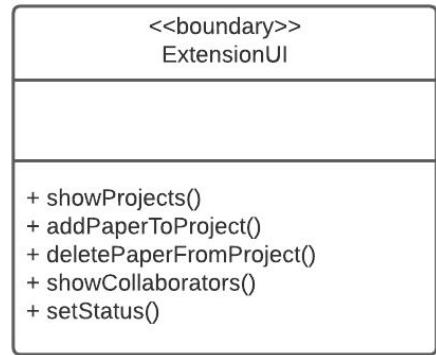
Status Review

Review ▼









## Quick Access

- Home
- Tasks
- Uncategorized

## Project

Choose Project... ▾

- Papers
- Tasks
- Schedule
- Submission



## Unsorted Papers



Paper #1

**ACM DL DIGITAL LIBRARY**

Shuffling, Fast and Slow:  
Scalable Analytics on  
Serverless Infrastructure

Serverless computing is poised to fulfill the long-held promise of transparent elasticity and millisecond-level pricing. To achieve this goal, service providers impose a ...

Dec 12, 2021 NSDI '19

Paper #1

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# Literature Review



## Knowledge Sharing

- Create paper **summaries**
- Make summary **public** for others
- Easy to **revisit** and refresh content
- Read **recommended** papers

Basic

Notes

Relevant

## Tasks

Read Paper



Run Source Code



New Task ...



## Actions

Archive

Delete

# Jiffy: elastic far-memory for stateful serverless analytics

## Abstract

Stateful serverless analytics can be enabled using a remote memory system for inter-task communication, and for storing and exchanging intermediate data. However, existing systems allocate memory resources at job granularity—jobs specify their memory demands at the time of the submission; and, the system allocates memory equal to the job's demand for the entirety of its lifetime. This leads to resource underutilization and/or performance degradation when ... [See more](#)

Conference

Status

Assigned

Date Added

NSDI 2020

To Read ▾



Jun 9, 2022

Notes

Private

### > **Uses** of remote memory

1. Inter-task communication
2. Storing and exchanging intermediate data

### > **Problems**

Ratio of peak to average storage usage for a job can vary a lot during execution

### > **Effects**

1. Resource underutilization - provisioning for peak

Most of the time resources are unused

2. Performance degradation - provisioning for average

Will take a non-trivial amount of time during storage extension

Edit

Copy

Formatting help

Basic

Notes

Relevant

Quick



Project



## Public Notes

### “Jiffy: elastic far-memory for stateful serverless analytics”

Show : 20 ▾

Sort By : Default ▾

**“Stateful serverless analytics can be enabled using a remote memory system for inter-task communication, and for storing and exchanging intermediate data. However, existing systems allocate memory resources at job granularity”**

*Stateful serverless analytics can be enabled using a remote memory system for inter-task communication, and for storing and exchanging intermediate data. However, existing systems allocate memory resources at job granularity--- This leads to resource underutilization and/or performance degradation when ... [See more](#)*

Author : Smith, Yang

Last Updated: Dec 12, 2021



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Author : Smith, Yang

Last Updated: Dec 12, 2021

Basic

Notes

Relevant

Quick



Projec



## Recommended Papers

### "Jiffy: elastic far-memory for stateful serverless analytics"

Show : 20 ▾ Sort By : Default ▾

Paper #1



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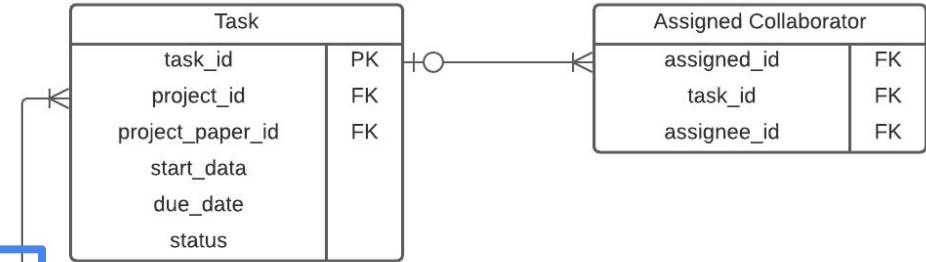
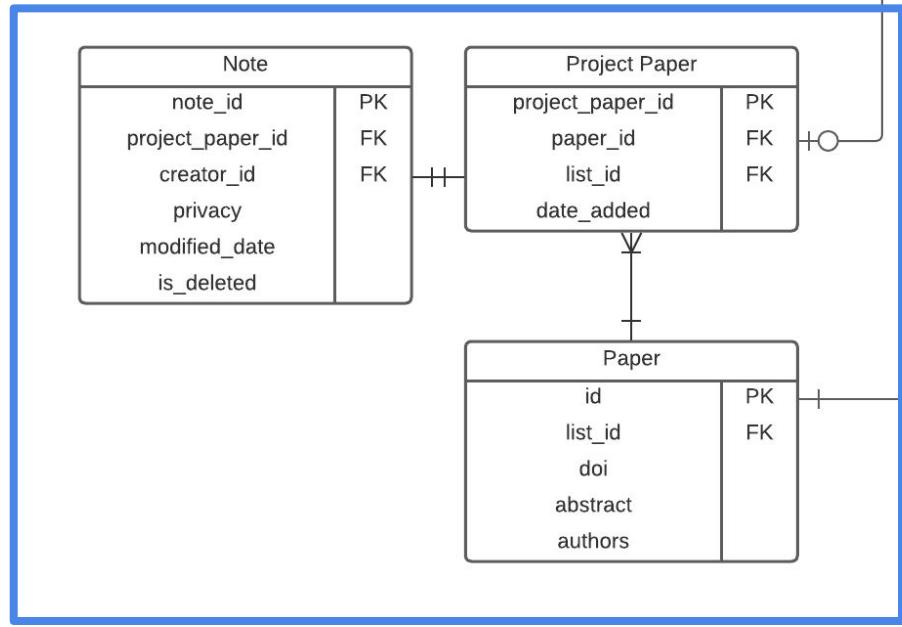


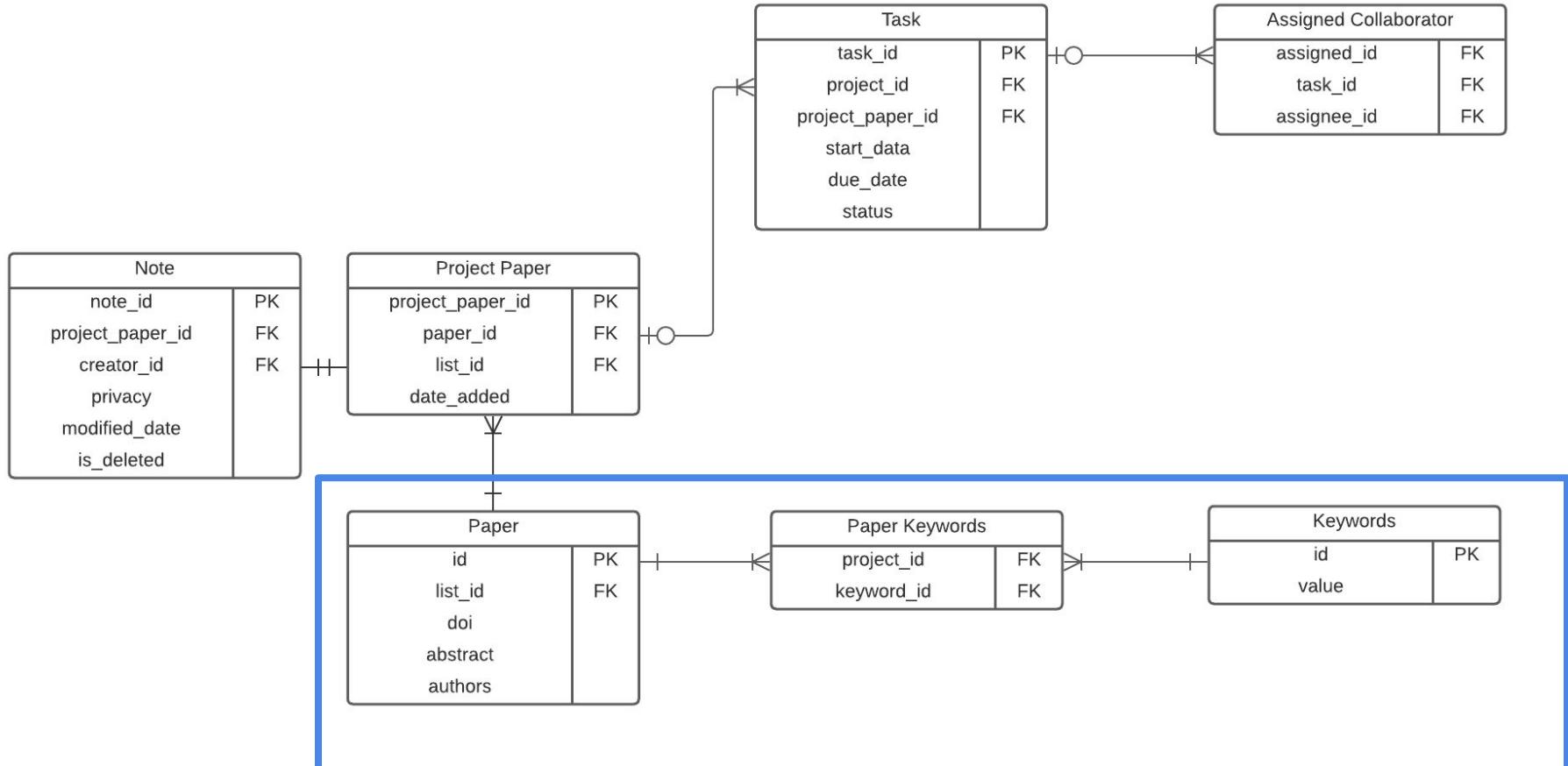
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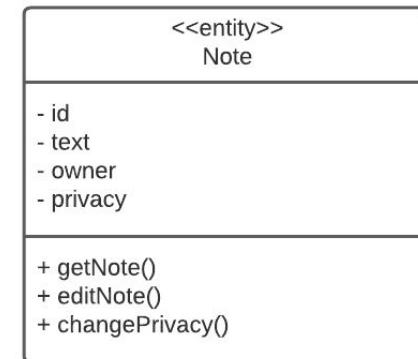
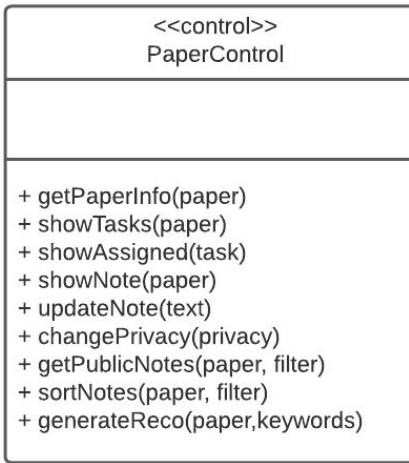
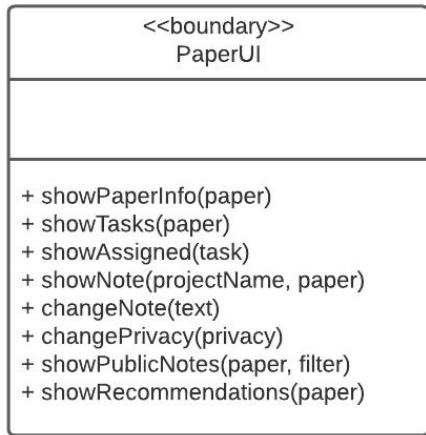


Paper #1









# Project Management

—

# Project Management



## Collaboration

- Start **new projects** for to explore new topics
- Share paper collections with **collaborators**

## Quick Access

 Home

 My Tasks

 Uncategorized

## Project

 Serverless ML

 Papers

 Tasks

 Schedule

 Submission

## Home

Search ...



New Project

Achieve

## My Projects

APT Detection

*Using Provenance Graphs*

Intrusion Detection

*In Docker Environments*

## Recently Viewed

Distributed Server

*In Docker Environments*

Intrusion Detection

*In Docker Environments*

Alzheimer's Detection

*Using ML Techniques*

## All Projects

APT Detection

*In Docker Environments*

Provenance Graphs

*In Docker Environments*

Intrusion Detection

*In Docker Environments*

Distributed Server

*In Docker Environments*

Intrusion Detection

*In Docker Environments*

Alzheimer's Detection

*Using ML Techniques*

Intrusion Detection

*In Docker Environments*

Alzheimer's Detection

*Using ML Techniques*





# New Project

CreateCancel

## Collaborators



## Start Date

10/06/22

## Keywords

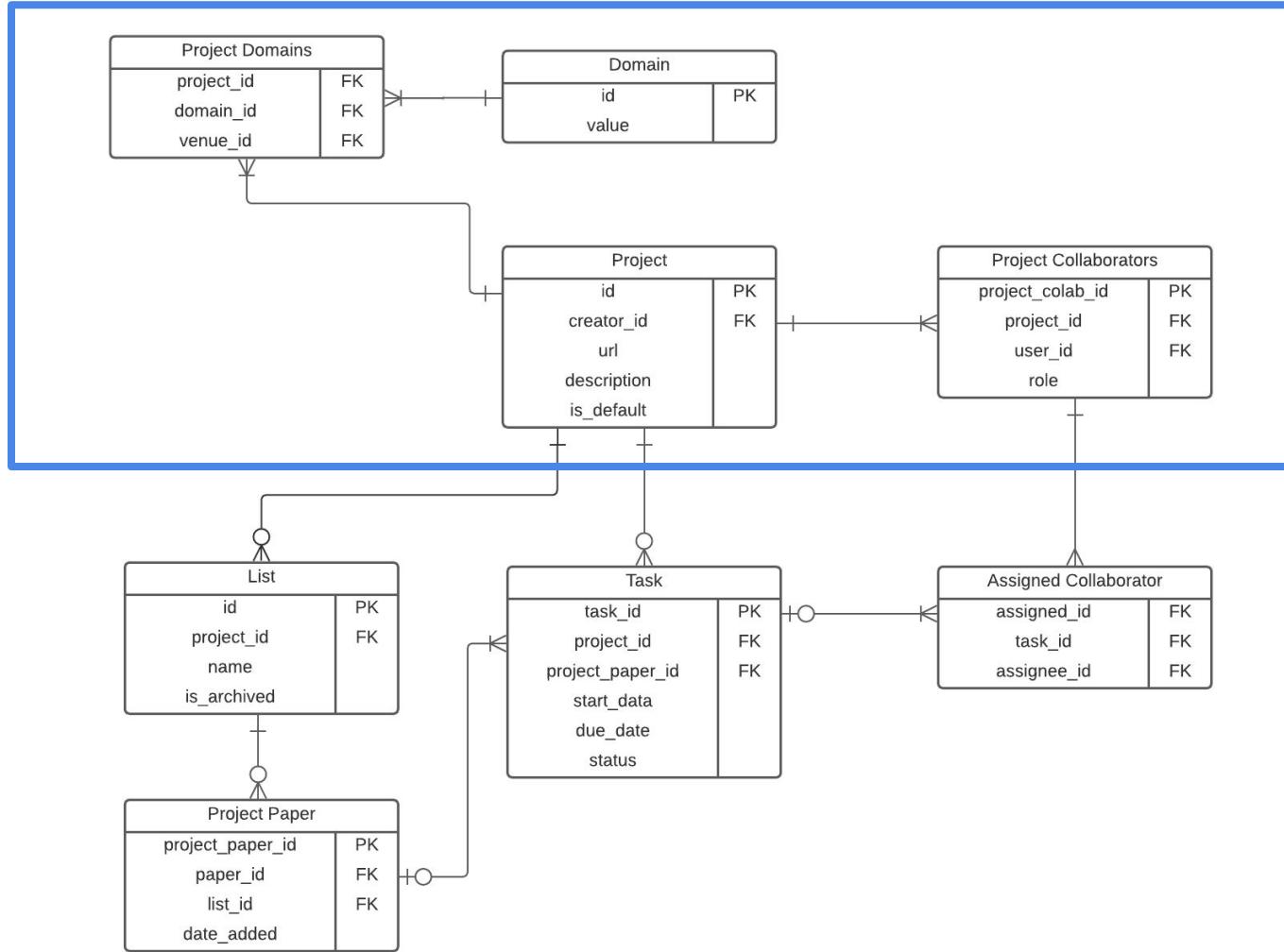
Serverless

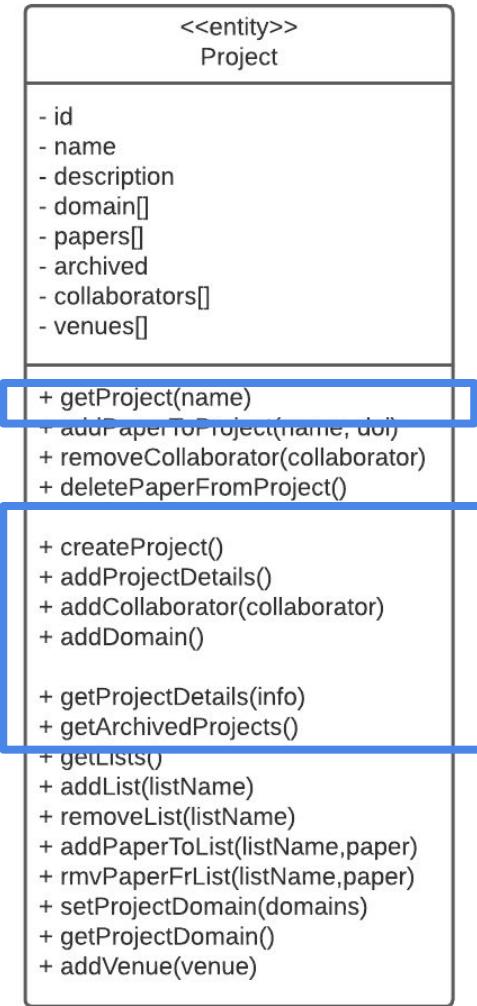
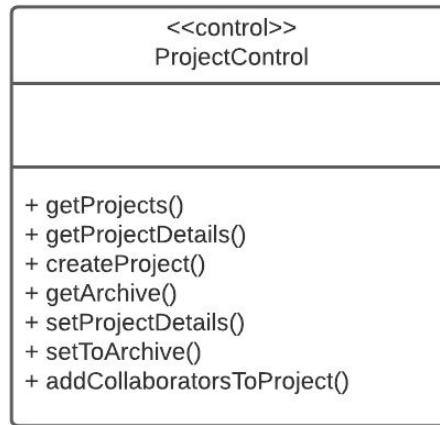
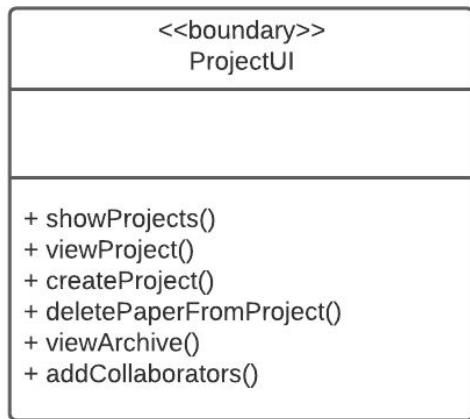
New Keyword...

## Domains

Big Data

Select ...





## Quick Access

Home

My Tasks

Uncategorized

## Project

Serverless ML ▾

Papers

Tasks

Schedule

Submission



## Review

Shuffling, Fast and Slow:  
Scalable Analytics on  
Serverless Infrastructure

Dec 12

Read Paper

Run Source Code

Understanding ephemeral  
storage for serverless  
analytics

Dec 22

Read Paper

Run Source Code

Barista: Efficient and scalable  
serverless serving system for  
deep learning

Dec 22

Read Paper

Run Source Code

## In Progress

Servermix: Tradeoffs and  
challenges of serverless data  
analytics

Nov 12

Read Paper

Prepare presentation

## Done

Serverless architecture for  
big data analytics

Oct 12

Read Paper

Run Source Code

Optimizing and Extending  
Serverless Platforms: A  
Survey

Oct 05

Read Paper

Prepare presentation

New List ...



New Task ...

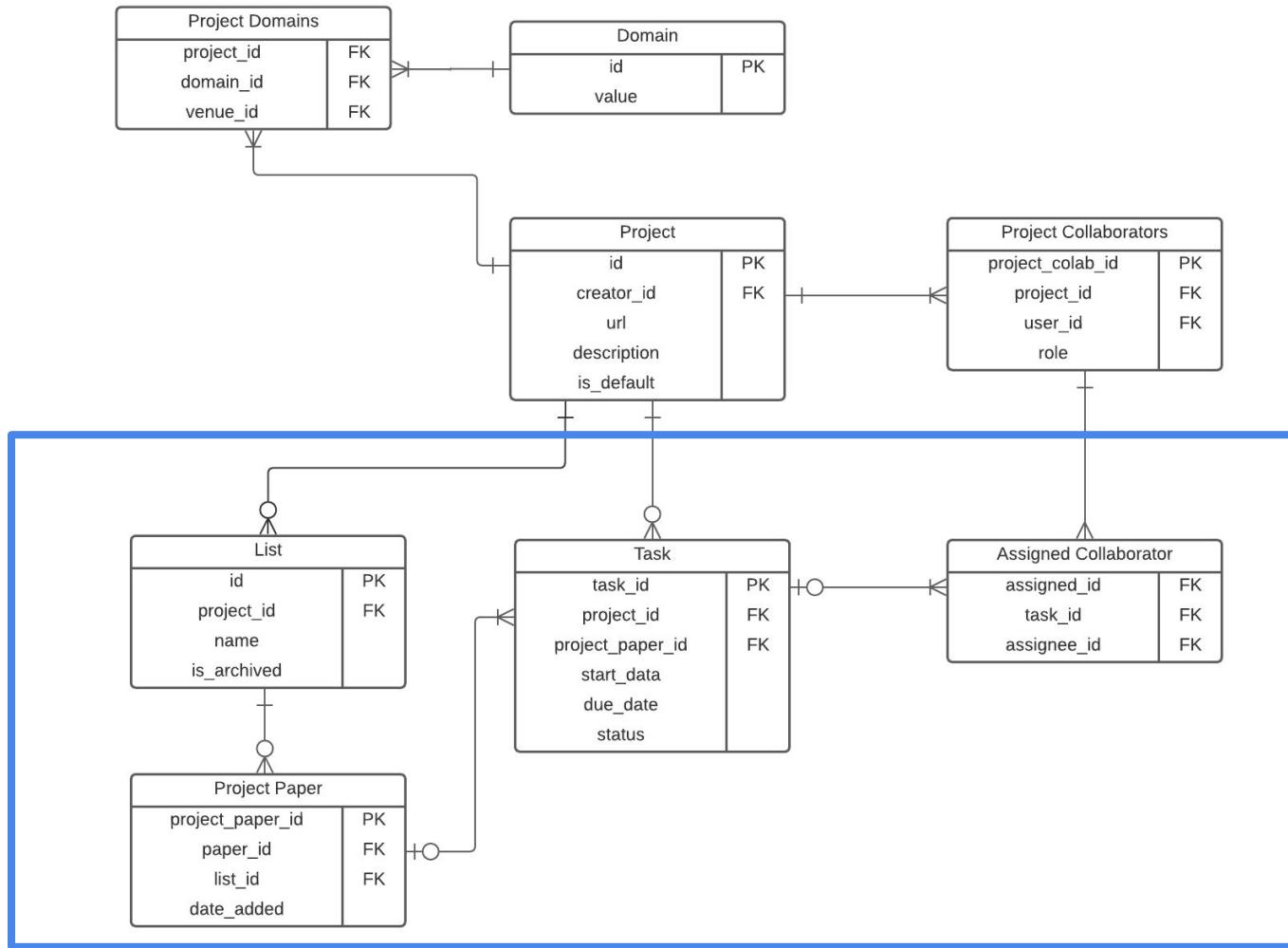


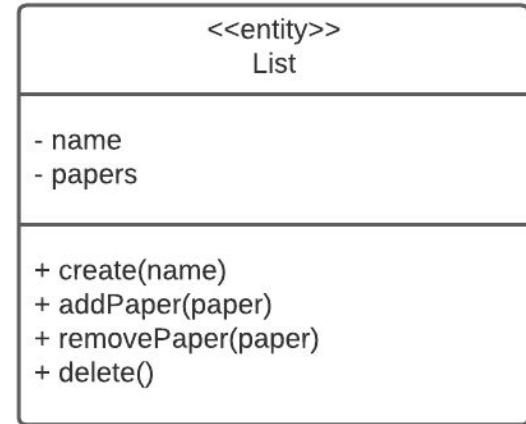
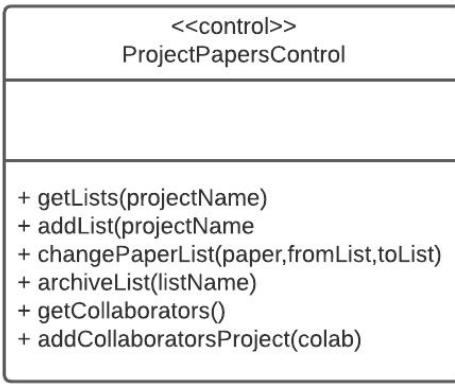
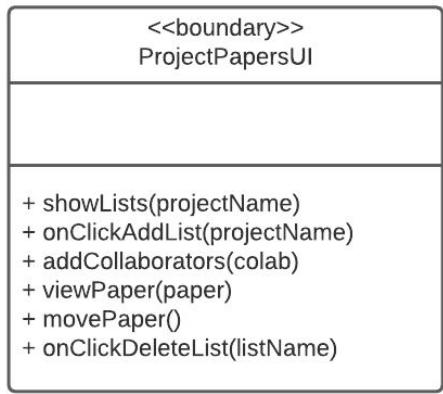
New Task ...



New Task ...







# Project Management



## Task Lists

- Create and **assign tasks**
- **Supervisor** can view and manage all tasks for the project
- Kanban board to track progress for papers

Basic

Notes

Relevant

## Tasks

Read Paper



Run Source Code



New Task ...



## Actions

Archive

Delete

# Jiffy: elastic far-memory for stateful serverless analytics

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Status

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Date Added

NSDI 2020

To Read ▾



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Will take a non-trivial amount of time during storage extension

Edit

Copy

Formatting help



# New Task

Read Paper & Summarize

Create

Task Description ...

Cancel



Assigned



Due Date

10/06/22

Status

Next

Paper (Optional)

Atoll: A Scalable Low-Latency Serverless Platform

Prerequisite Tasks

Run source code from Github

New Task ...



Linked Tasks

Run source code from Github

New Task ...



Qu



Pro



## My Tasks



## Quick Access

Home

My Tasks

Uncategorized

Reviews

## Project

Serverless ML

Papers

Tasks

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Submission

Task Name	Paper	Status	Project	Options
Overview paper	<a href="#">Shuffling, Fast and Slow ...</a>	In Progress	Serverless ML	
Overview paper	<a href="#">Atoll: A Scalable Low-Lat ...</a>	In Progress	Serverless ML	
Run Github repository	<a href="#">Speedo: Fast dispatch ...</a>	In Progress	Caching System	
Initial System Design		Planning	Caching System	
Run Github repository	<a href="#">Shuffling, Fast and Slow ...</a>	Planning	Caching System	
Setup Evaluation Metrics		In Progress	Caching System	
Overview paper	<a href="#">Shuffling, Fast and Slow ...</a>	In Progress	Caching System	



## Project Tasks

## Deadlines

10 days left **Jun 30**

Finish First Draft

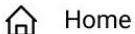
13 days left **July 03**

Submit Paper Pre-print

14 days left **July 04**

Conference: NSDI (Network ...)

## Quick Access



Home



My Tasks

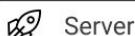


Uncategorized



Reviews

## Project



Serverless ML



Papers



Tasks



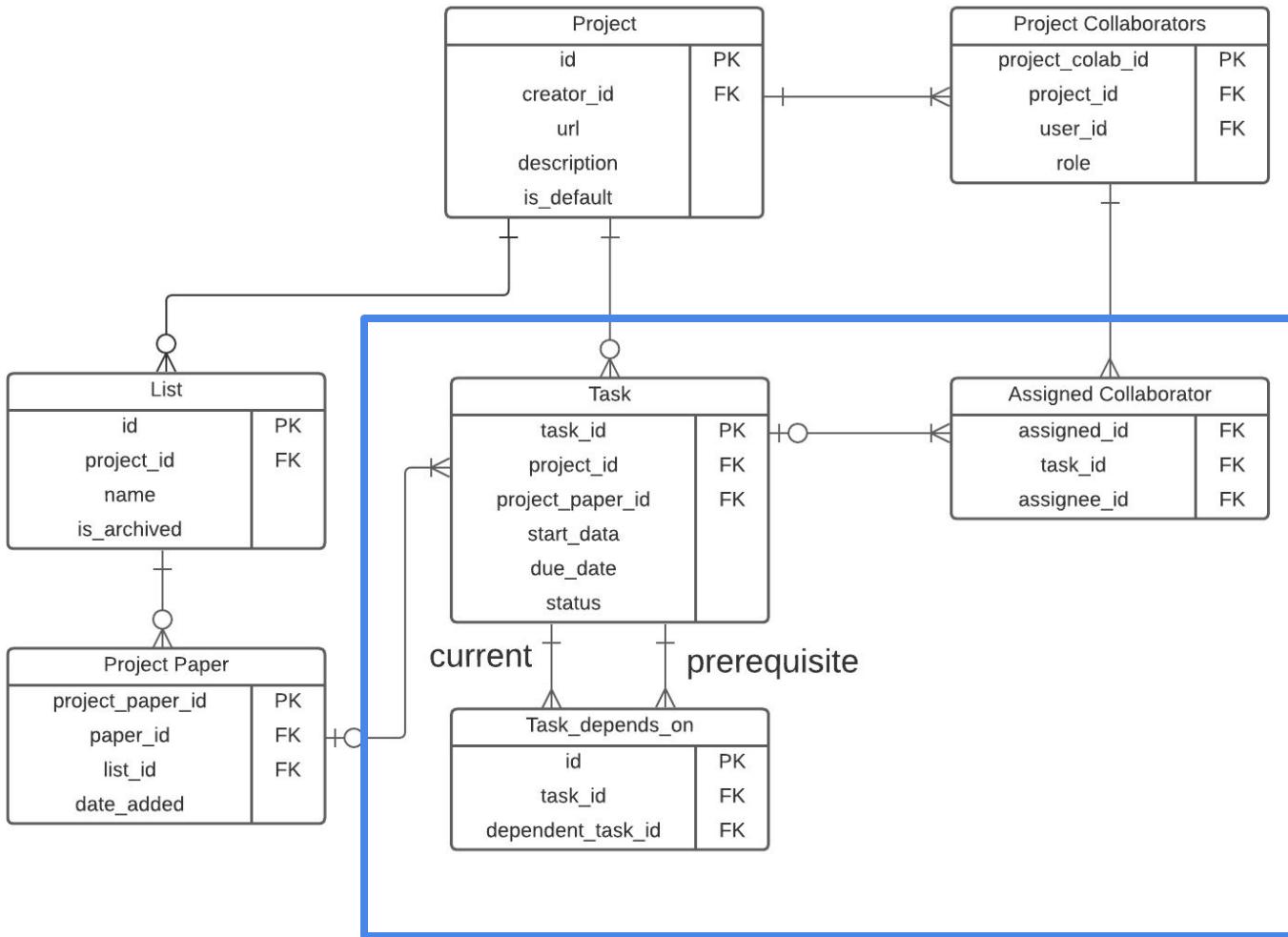
Schedule

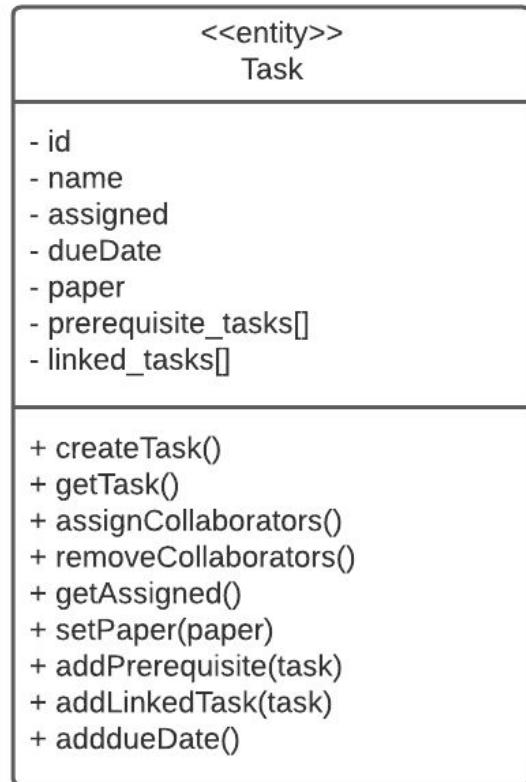
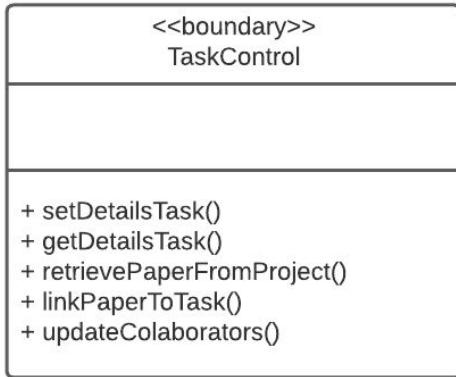
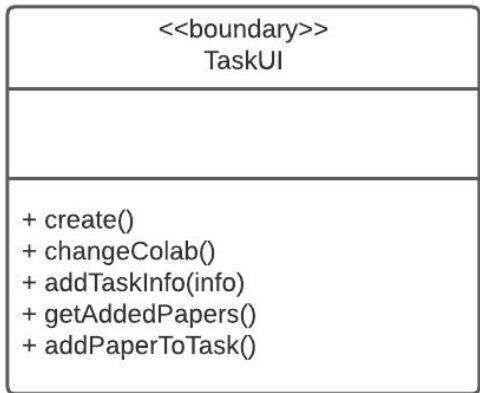


Submission

Task Name	Paper	Assigned	Status	Due
Overview paper	<a href="#">Shuffling, Fast and Slow ...</a>		In Progress	Jun 21
Overview paper	<a href="#">Atoll: A Scalable Low-Lat ...</a>		In Progress	Jun 21
Overview paper	<a href="#">ServerMore: Opportunis ...</a>		Next	Jun 24
Run Github repository	<a href="#">Speedo: Fast dispatch ...</a>		In Progress	Jun 21
Initial System Design			Planning	Jun 21
Run Github repository	<a href="#">Shuffling, Fast and Slow ...</a>		Planning	Jun 21
Setup Evaluation Metrics			In Progress	Jun 21
Overview paper	<a href="#">Shuffling, Fast and Slow ...</a>		In Progress	Jun 21





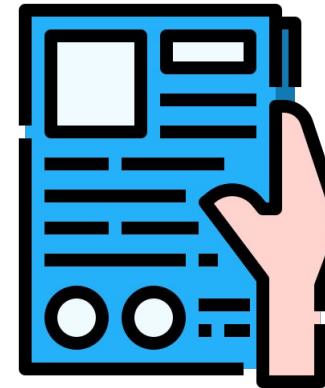


# Publishing

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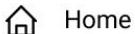
# Publishing

## Paper Submission



- **General platform** for entire submission process
- **Suggest** to user potential conference/journals

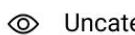
## Quick Access



Home



My Tasks



Uncategorized



Reviews

## Project



Serverless ML



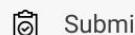
Papers



Tasks



Schedule



Submission

## Submission

### Current Submission Timeline

**Aug 2**

Networking System Design &amp; Implementation (NSDI)



### Upcoming

**July 13**

IEEE International Conference on Cloud Computing (CLOUD)

Abstract Submission

Registration ✓

Abstract ✓

**Aug 28**

International Conference on Management of Data (SIGMOD)

Abstract Submission

Registration ✓

Abstract

### Suggestions

**Aug 15**

(Conflict with SIGMOD)

IEEE International Conference on Cloud Computing (CLOUD)

Register

Save

Schedule

**Sept 12**

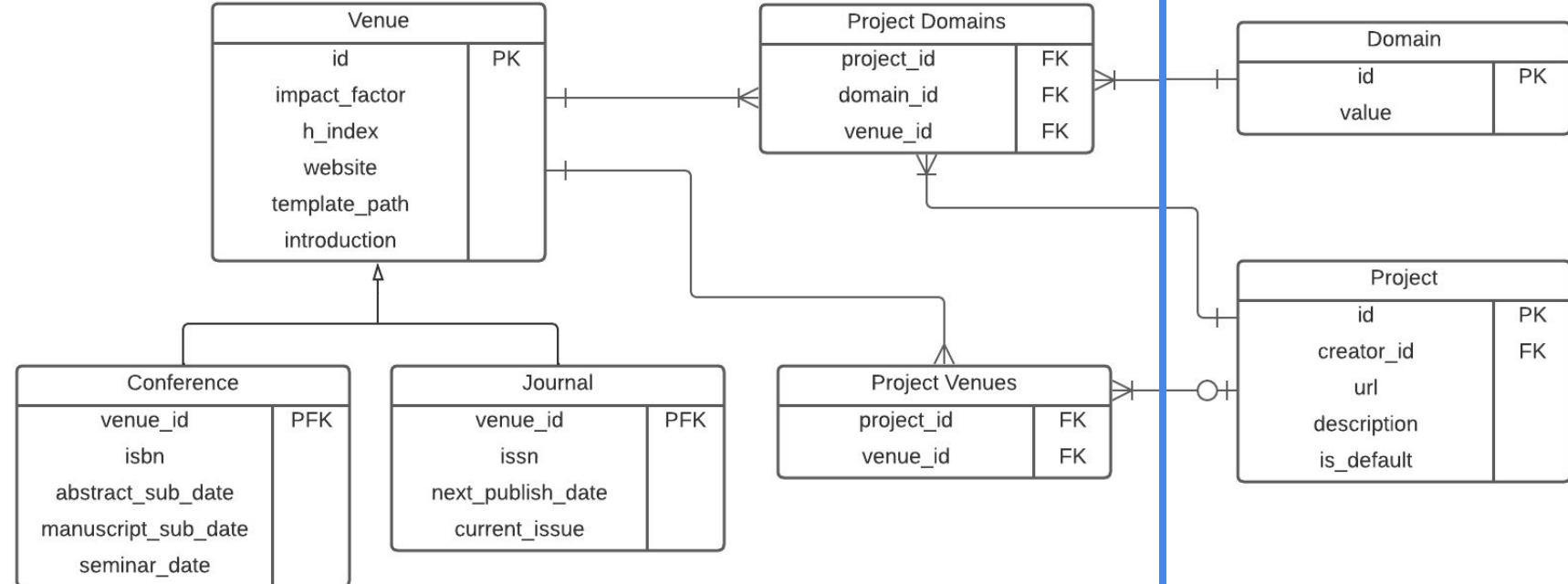
Big Data Research

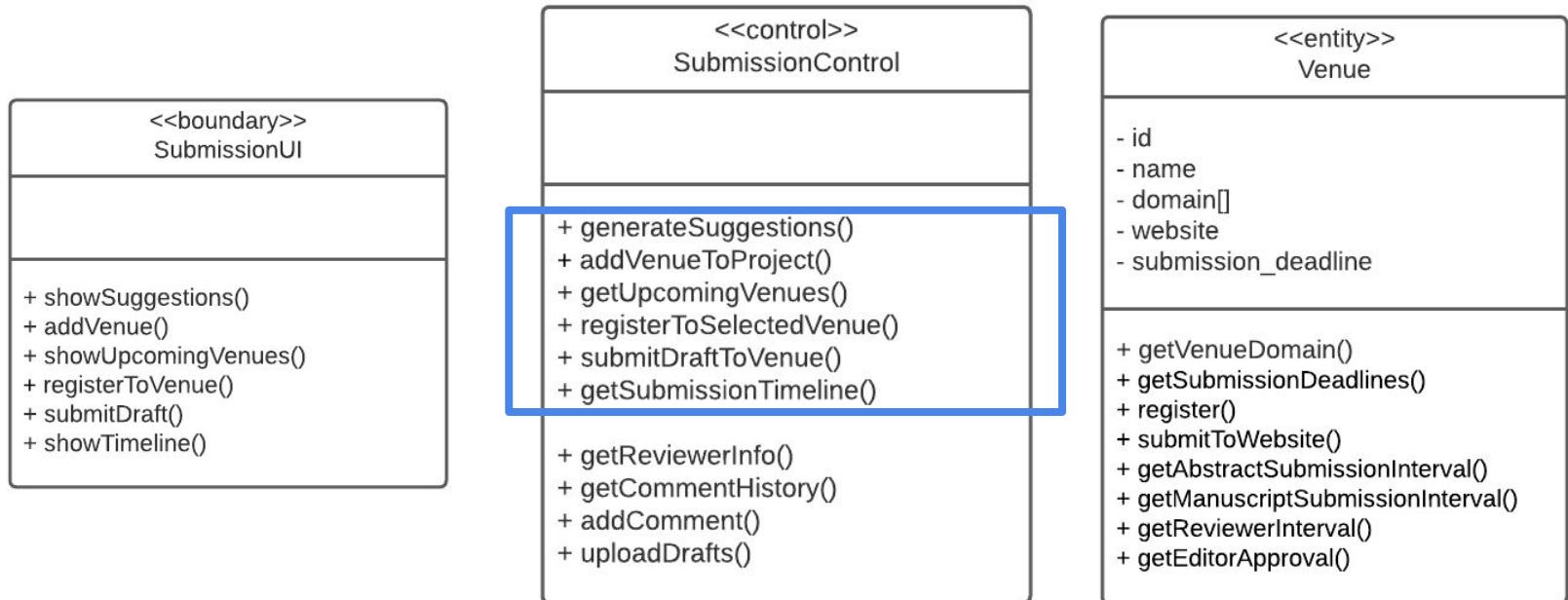
Register

Save

Schedule









# Computer Vision Pattern Recognition '22



## Peer Review

> Dr. Michael Wallace Carnegie Melon University Approved

> James Foster ETH Zurich In Progress

▽ Dr. Randall Kay University of Austin, Texas Feedback

### Reviewer comment

The genesis of this paper is the proposal that genomes containing a poor percentage of guanosine and cytosine (GC) nucleotide pairs lead to proteomes more prone to aggregation than those encoded by GC-rich genomes. As a consequence these organisms are also more dependent on the protein folding machinery.

### Author comment

Comment ...

Submit

Upload

## Links

Template



Website



Email



## Abstract

Deadline : July 13

Last Updated : July 1

Second-Draft



First-Draft



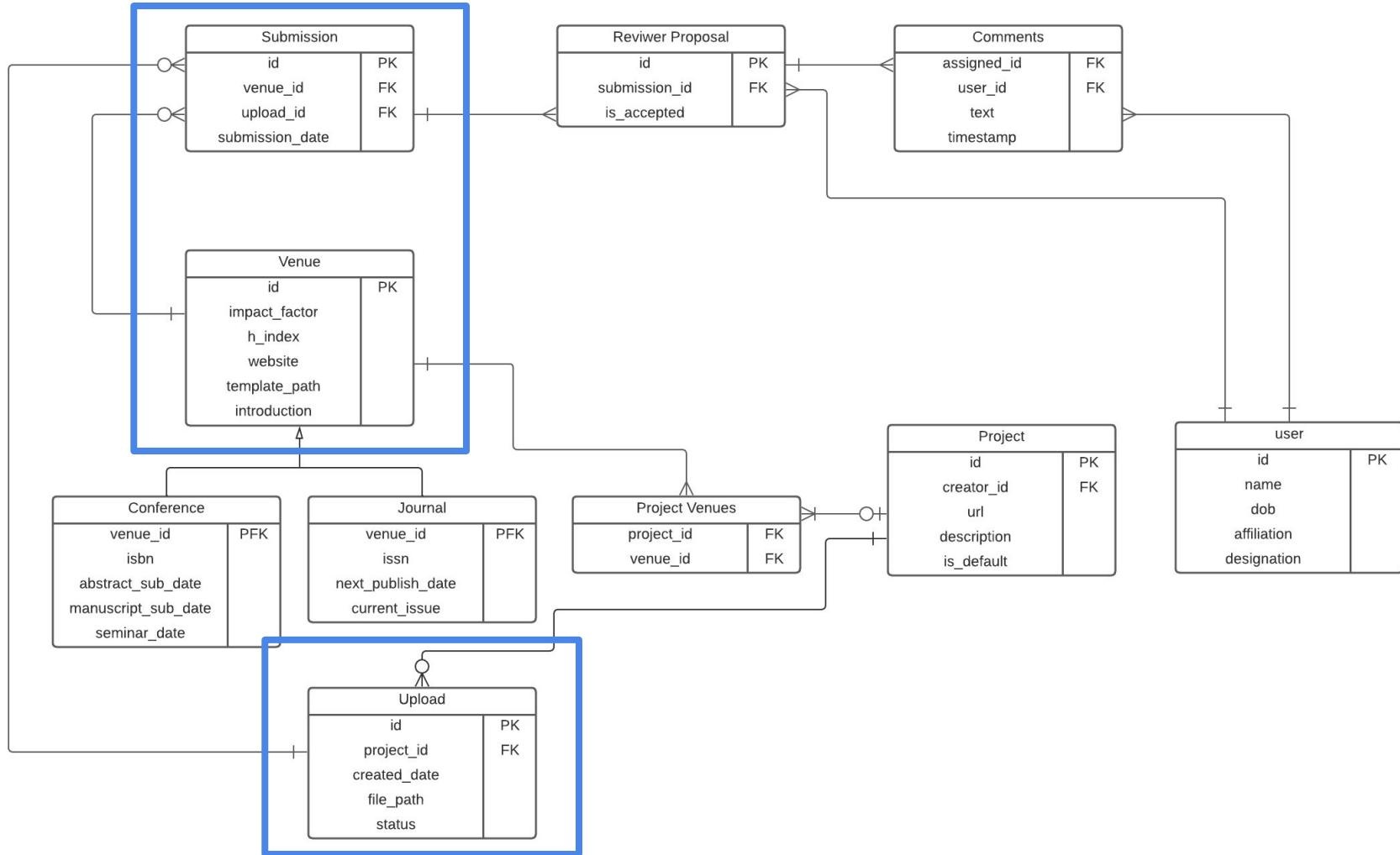
New Draft

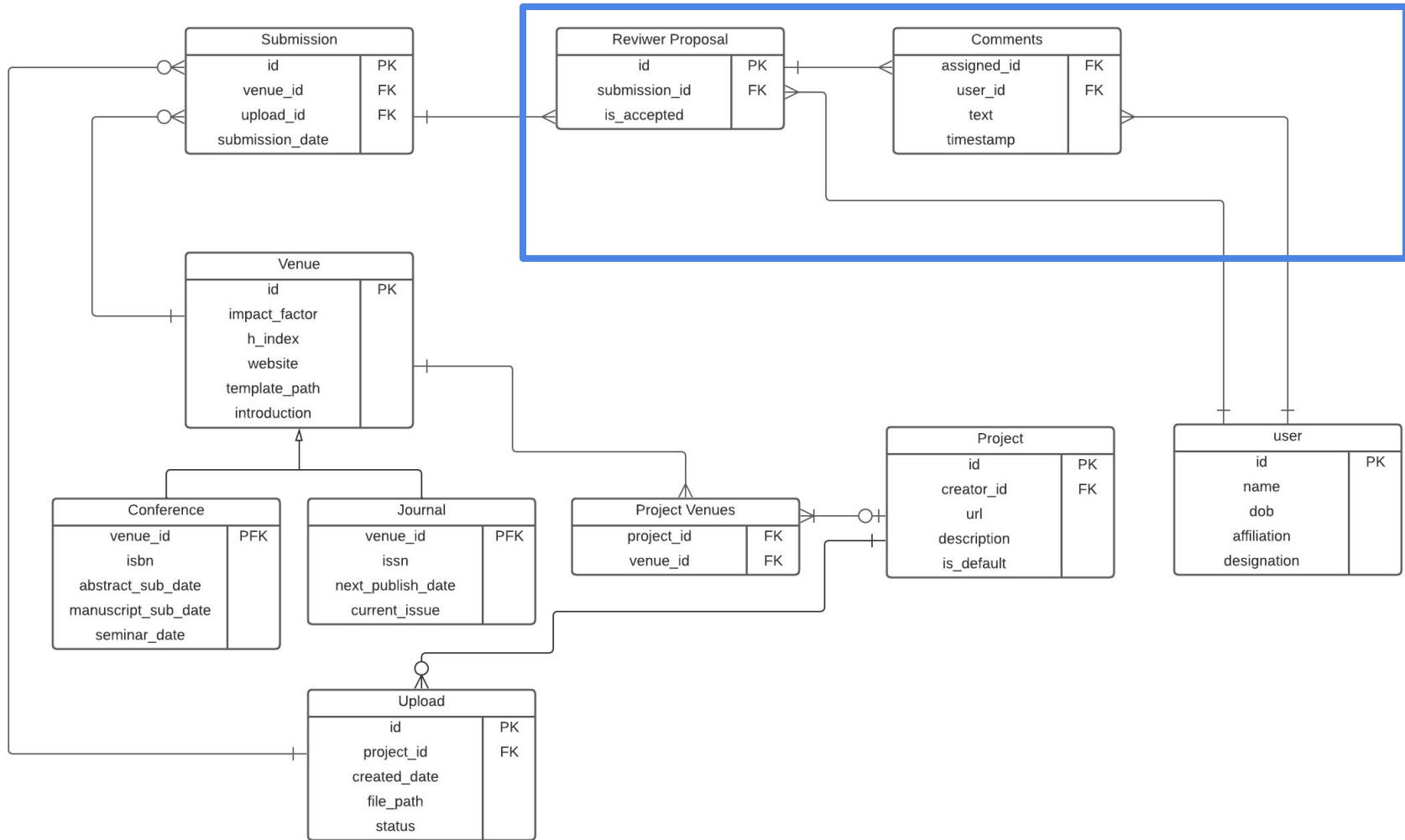
## Manuscript

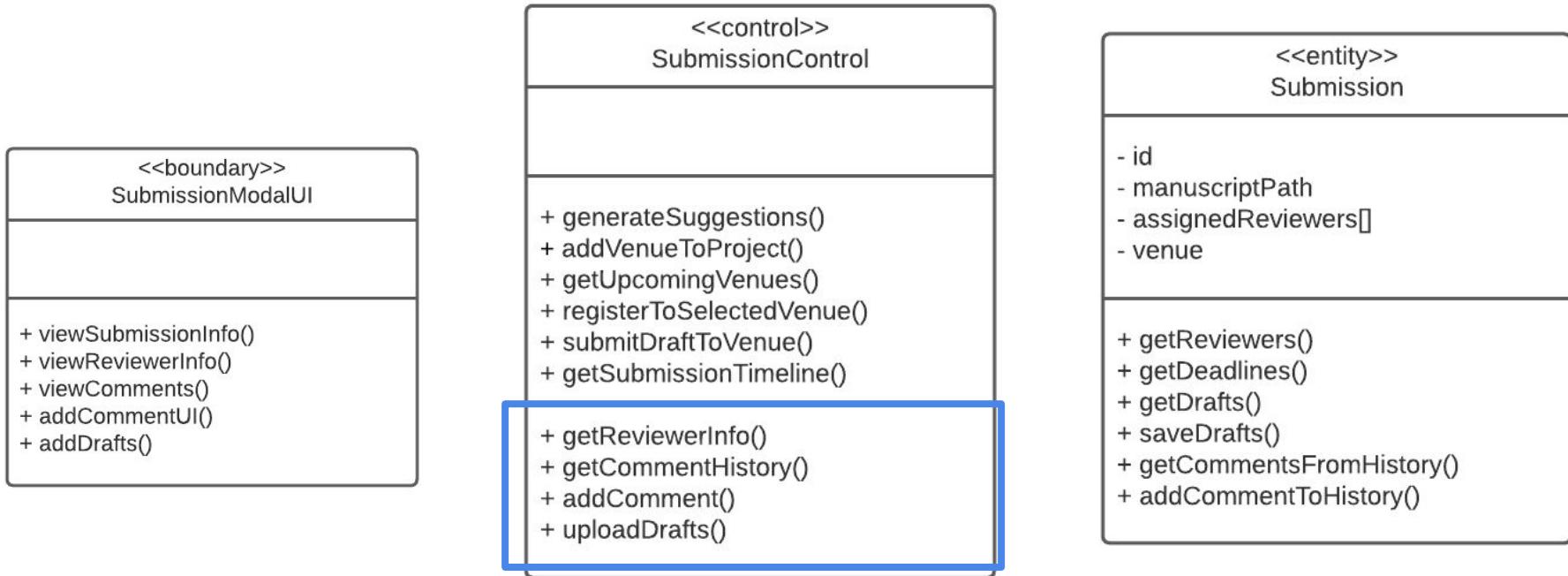
Deadline : July 13

Last Updated : -

New Manuscript

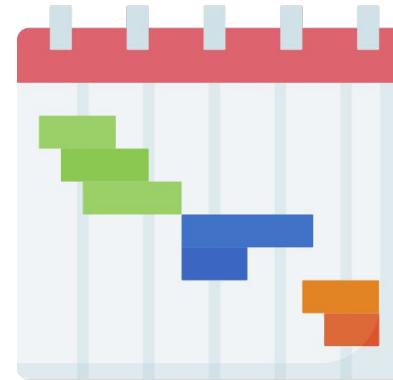






# Publishing

## Publication Scheduling



- **Schedule** generated based on chosen conferences
- Modify schedule to **avoid overlaps**

## Quick Access

Home

My Tasks

Uncategorized

Reviews

## Project

Serverless ML

Papers

Tasks

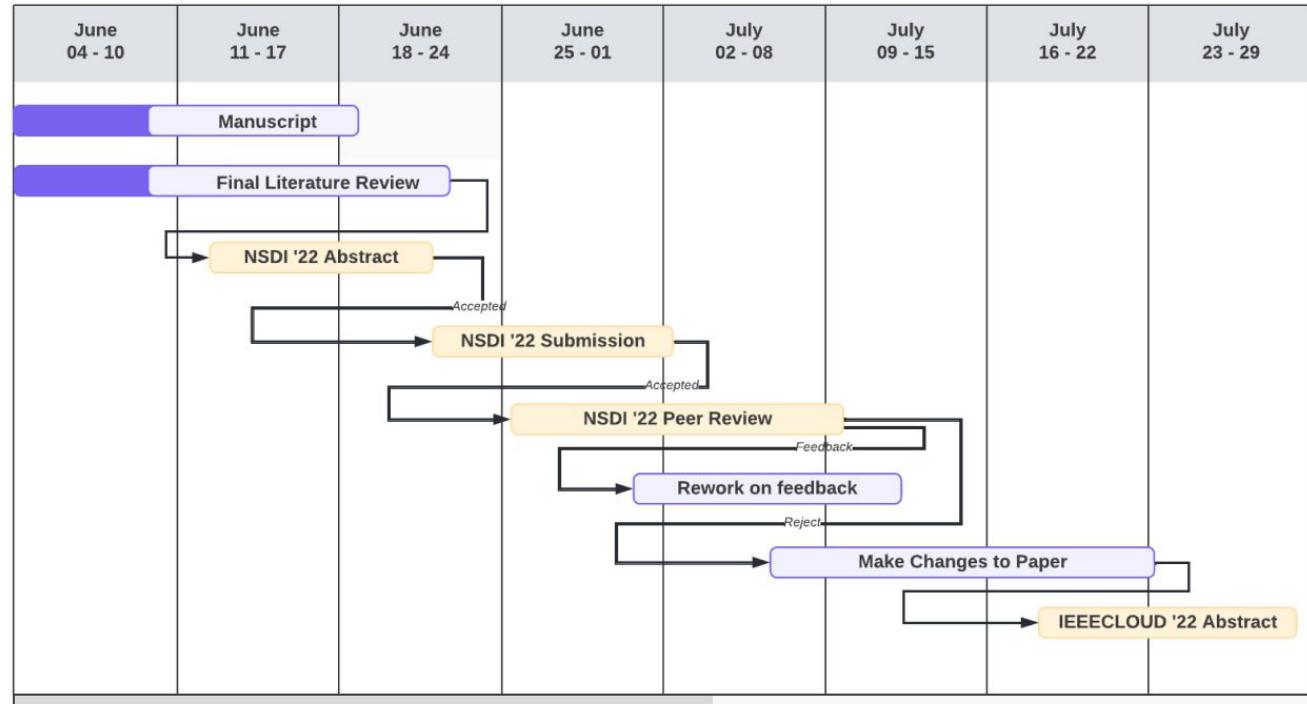
Schedule

Submission

Filter

Conference, Work

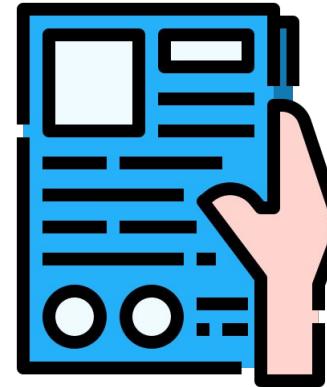
Add Deadline



# Reviewer

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# Reviewer



## Reviewer Dashboard

- Ongoing **reviews** from different conferences
- **Feedback** to authors
- **Submit** to editor finally
- Get **requests** from different conferences

## Reviews

## Quick Access



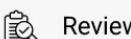
Home



My Tasks



Uncategorized

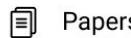


Reviews

## Project



Serverless ML



Papers



Tasks



Schedule



Submission



Assigned	Proposed
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Venue	Paper	Status	Options
CVPR'22	<a href="#">Shuffling, Fast and Slow ...</a>	Pending	
CVPR'22	<a href="#">Atoll: A Scalable Low-Lat ...</a>	Pending	
NDSS'22	<a href="#">Speedo: Fast dispatch ...</a>	Feedback	
NDSS'22	<a href="#">Speedo: Fast dispatch ...</a>	In Progress	

## Quick Access

Home

My Tasks

Uncategorized

Reviews

## Project

Serverless ML ▾

Papers

Tasks

Schedule

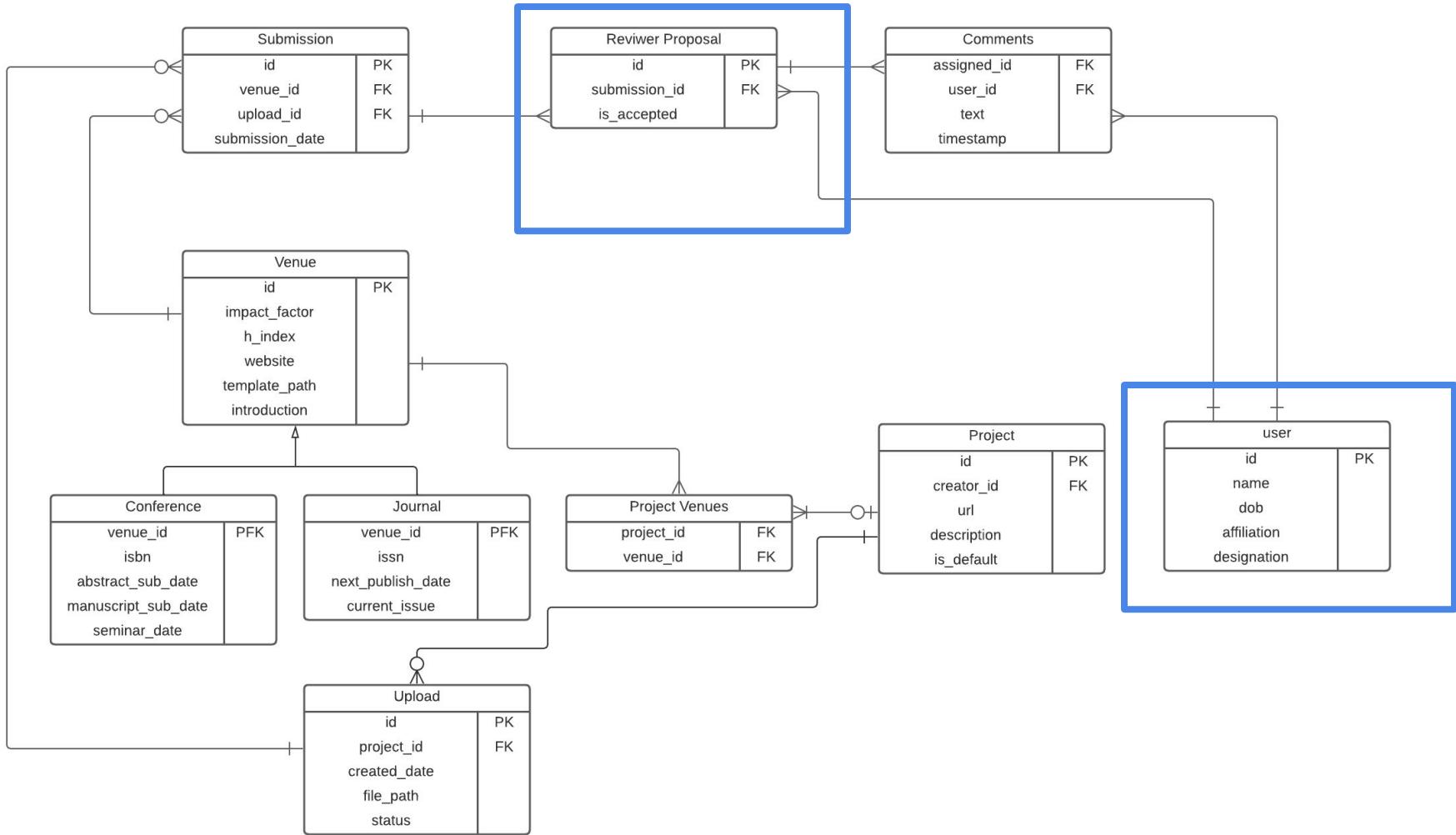
Submission

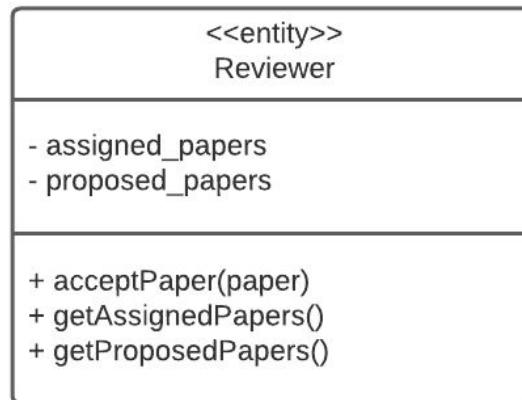
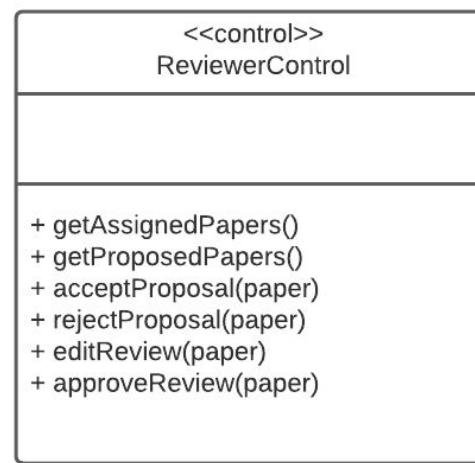
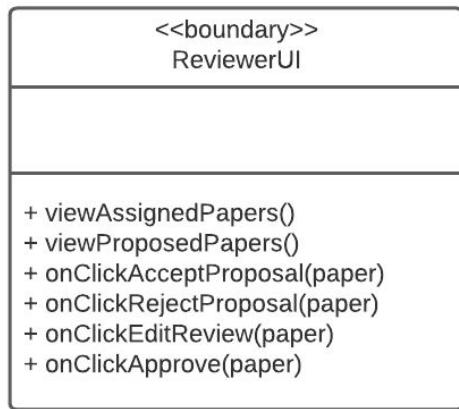
## Reviews

Assigned Proposed

Venue	Paper	Options		
CVPR'22	<a href="#">Shuffling, Fast and Slow ...</a>	<span>Accept ✓</span>	<span>Reject ✗</span>	<span>Mail </span>
CVPR'22	<a href="#">Atoll: A Scalable Low-Lat ...</a>	<span>Accept ✓</span>	<span>Reject ✗</span>	<span>Mail </span>
CVPR'22	<a href="#">Atoll: A Scalable Low-Lat ...</a>	<span>Accept ✓</span>	<span>Reject ✗</span>	<span>Mail </span>

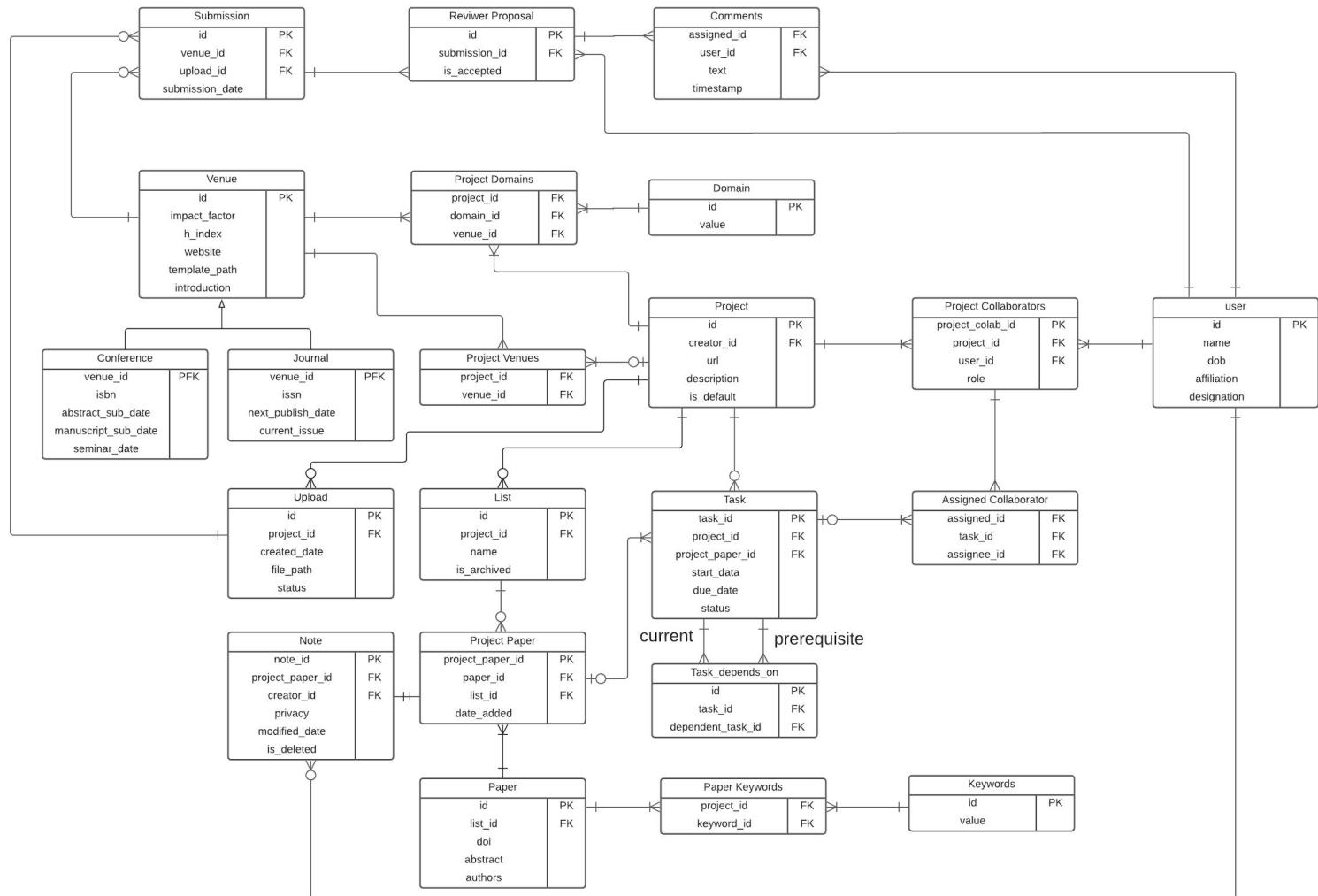






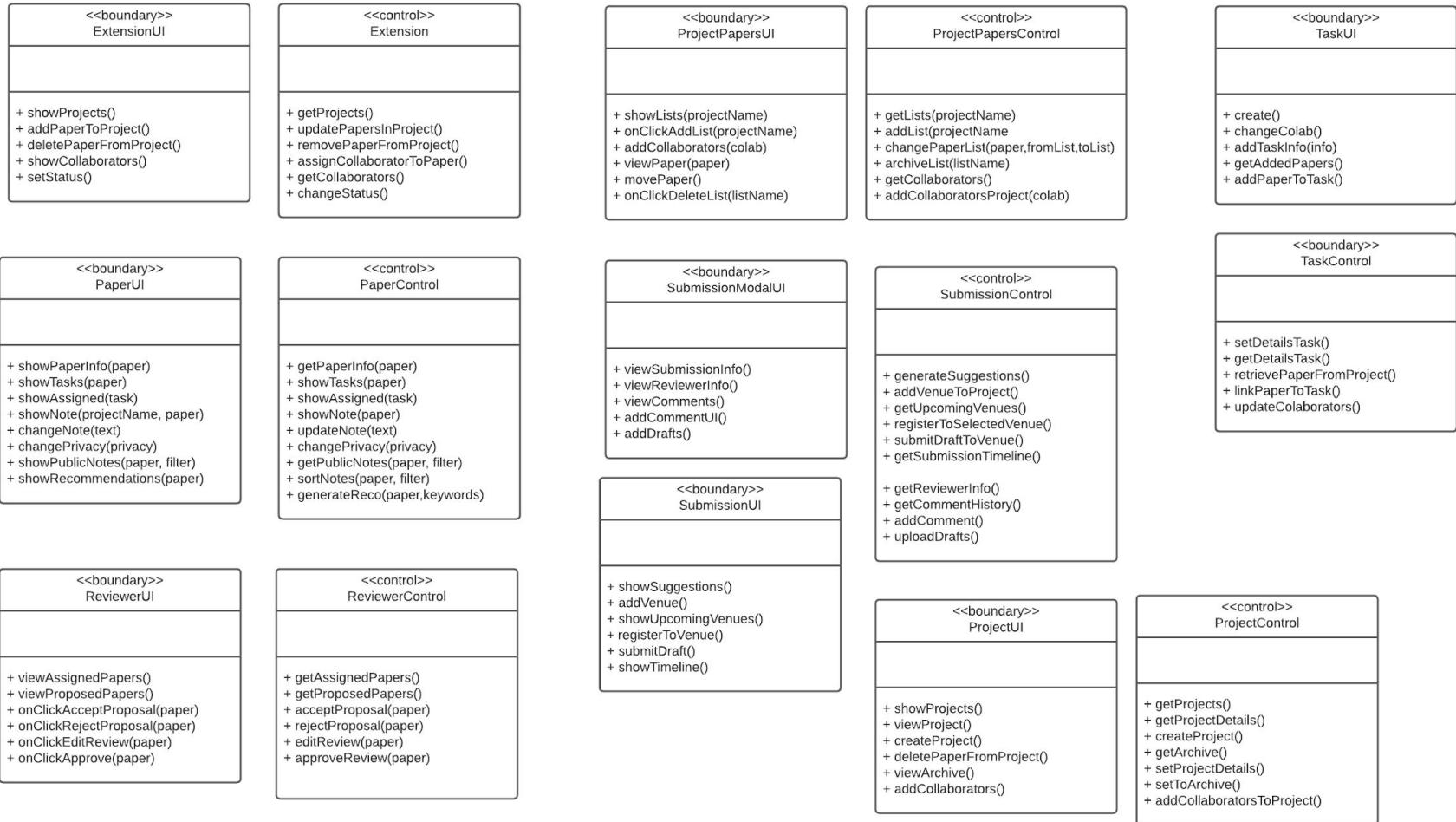
# ERD Diagram

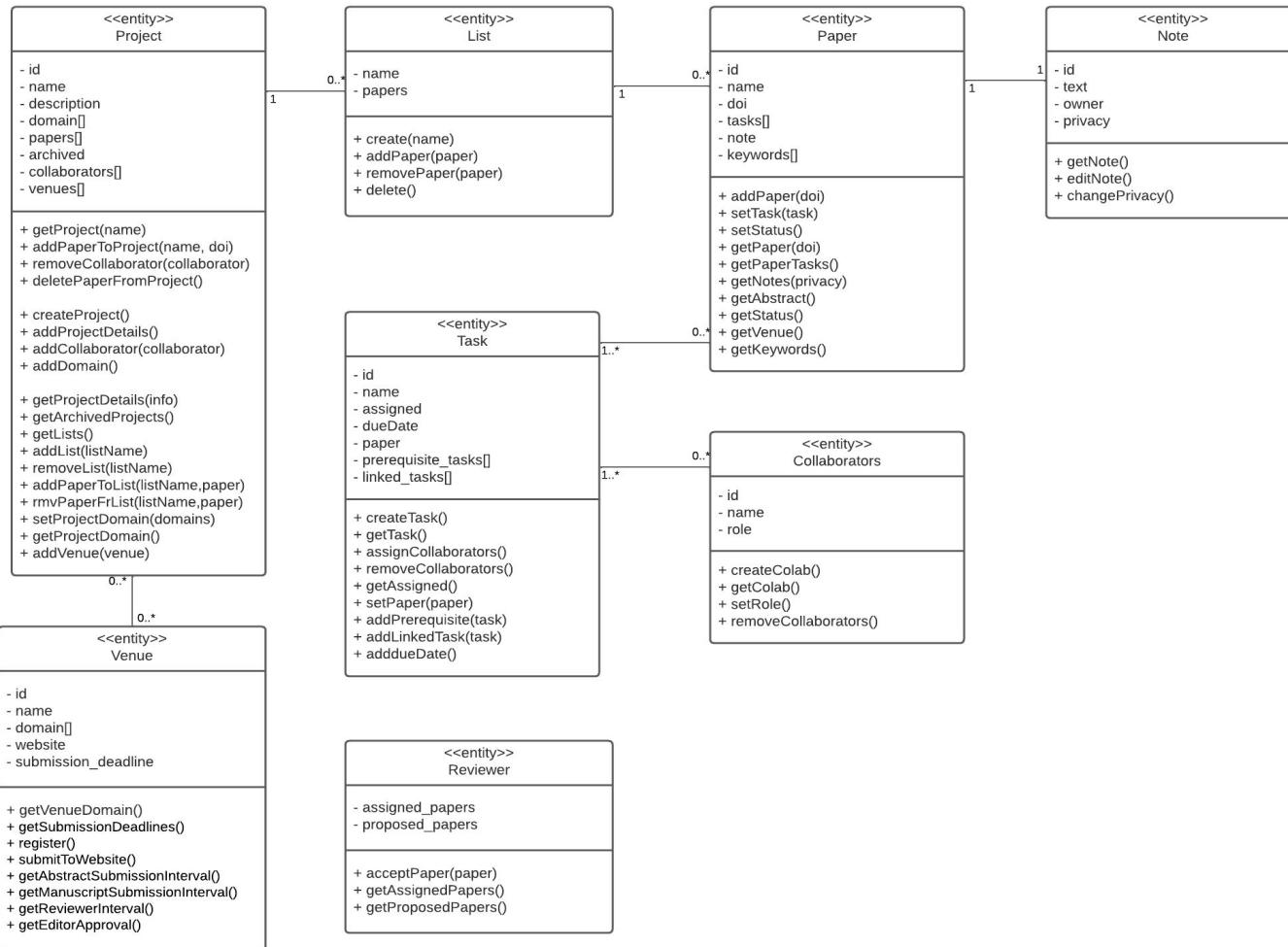
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# Class Diagram

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Thank You



# Future Plans

- Bibliography Extraction
  - Experiment Result Tracker
  - Implementation Planner
-

# Appendix

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# Zotero

The screenshot shows the Zotero desktop application interface. On the left is a sidebar with 'My Library' expanded, showing categories like 'Colonial Medicine', 'Teaching', and 'My Publications'. Below this is a 'To Read' section with various research topics. The main area displays a list of academic articles from the 'Colonial Medicine' folder. A specific article, 'Circulation of Medicine in the Early Modern Atlantic World' by Cook and Walker (2013), is selected and shown in detail on the right. The detailed view includes fields for Item Type (Journal Article), Title (Circulation of Medicine in the Early Modern Atlantic World), Authors (Cook, Harold J. and Walker, Timothy D.), Abstract (a brief summary), Publication (Social History of Medicine), and various metadata like Volume (26), Issue (3), and Pages (337-351). There are also tabs for Notes, Tags, and Related items.

Title	Creator	Year
Guerre, maladie, empire. Les services de santé militaires en ...	Zaugg	2016
Officiers de santé et soignantes créoles face à la fièvre jaune	Nobi	2016
The Emergence of Tropical Medicine in France	Osborne	2014
Colonial Disease, Translation, and Enlightenment: Franco-British Charters	Charters	2014
Trading in Drugs through Philadelphia in the Eighteenth Century	Wilson	2013
The Medicines Trade in the Portuguese Atlantic World: Acquisition and Distribution	Walker	2013
Leprosy and Slavery in Suriname: Godfrid Schilling and the French	Snelders	2013
Medical Experimentation and Race in the Eighteenth-century Atlantic World	Schiebinger	2013
The Circulation of Bodily Knowledge in the Seventeenth-century Atlantic World	Gómez	2013
<b>Circulation of Medicine in the Early Modern Atlantic World</b>	<b>Cook and Walker</b>	<b>2013</b>
Synthesis of scholarship on "medicines" to restore focus on the		
Full Text PDF		
Colonial Medical Encounters in the Nineteenth Century: The French and British Experiences	Thorvald	2012
Networks in Tropical Medicine: Internationalism, Colonialism, and Imperialism	Neill	2012
Early Clinical Features of Dengue Virus Infection in Nicaraguan Children	Biswas et al.	2012
Medicine in an age of commerce and empire: Britain and its trade	Harrison	2010
Finding the "Ideal Diet": Nutrition, Culture, and Dietary Practice in Early Modern France	Neill	2009
Battles of the Self: War and Subjectivity in Early Modern France	Pichichero	2008
The Experiments of Ramón M. Termeijer SJ on the Electric Eel	de Asúa	2008
Psychiatry and Empire	Mahone and Vaughan	2007
Medicine and the Market in England and Its Colonies, C.1450–1850	Jenner and Wallis	2007
Matters of exchange: commerce, medicine, and science in the Atlantic World	Cook	2007
A Horrible Tragedy in the French Atlantic	Rothschild	2006
"Neither of meat nor drinke, but what the Doctor alloweth": Medicine and the Colonization of the Body in Early Modern France	Chakrabarti	2006
Transnationalism in the colonies: Cooperation, rivalry, and racism in the Atlantic World	Neill	2005
Variolation, Vaccination and Popular Resistance in Early Colonial America	Brimnes	2004
"Syphilis, Opiomania, and Pedestasy": Colonial Constructions of Disease in Early Modern France	Proshyan	2003
Choosing Scientific Patrimony: Sir Ronald Ross, Alphonse Lavau, and the History of Malaria in the French Atlantic World	Guillemin	2002
Madness and Colonization: Psychiatry in the British and French Empires	Keller	2001
The Colonial Machine: French Science and Colonization in the Eighteenth Century	McClellan and Regoff	2000
From medical astrology to medical astronomy: sol-lunar and planetary influences in French medicine	Harrison	2000
Disease and Empire: The Health of European Troops in the French Atlantic World	Bynum	2000
Climates & Constitutions: Health, Disease, Environment and Empire in the French Atlantic World	Harrison	1999

# Raindrop

The screenshot shows the Raindrop.io interface. At the top, there's a header with the Raindrop logo and a '+'. Below it, a cloud icon labeled 'All bookmarks' and the number '16'. To the right, there's a search bar with the text 'Books' and a small icon, followed by filters for 'Sort manual', '# No tags', and '# inter'. A sidebar on the left is titled 'Books' and lists categories: 'Development', 'Design', 'Lifestyle' (with a minus sign), 'Psychology', 'Retro Games', 'Pokémon', 'Japan trip' (partially visible), and 'NSFW'. The main content area displays several bookmark cards:

- LOGO Modernism**  
\$91.14 by Jens Müller  
goodreads.com · April 6
- Sapiens: A Brief History of Humankind**  
Hardcover from \$16.87  
amazon.com · April 6
- Design+Code**  
Learn to design and code for iOS  
# swift # interface  
designcode.io · April 6
- Refactoring UI**  
Learn how to design awesome user interfaces  
refactoringui.com · April 6

# WikiCFP

Welcome!		Popular Categories	Popular CFPs	Popular Lists	
Category	CFPs	Event	Users	Owner	CFPs
computer science	7024	ICDM 2022	94	hrsma2i	3
machine learning	4089	MLDM 2023	61	sora	16
artificial intelligence	6419	ICMLA 2022	52	davfof	7
NLP	1695	WSDM 2023	22	come4acl...	2
security	3402	EMNLP 2022	39	kandaraj	74

Authors	Organizers
<ul style="list-style-type: none"><li>+ Build my CFP list in minutes.</li><li>+ Search and sort by title, category, location and year.</li><li>+ Browse with graphical timeline.</li><li>+ Subscribe to RSS of lists and various <a href="#">categories</a>.</li><li>+ Get <a href="#">email</a> and iCal reminders.</li></ul>	<ul style="list-style-type: none"><li>+ Present CFPs to thousands of researchers.</li><li>+ Broadcast CFPs to <a href="#">Twitter</a> and <a href="#">Facebook</a>.</li><li>+ Push CFPs to targeted RSS subscribers.</li><li>+ Check numbers of views and users following my CFPs.</li><li>+ Update CFP information timely.</li></ul>

Most Recent Calls For Papers				Add to My List
Event	When	Where	Deadline	
ACM EnergyDLT 2022	ACM SIGEnergy Workshop on Energy, Blockchain & Distributed Ledger Technology Jun 28, 2022 - Jun 28, 2022	Online	TBD	<input type="checkbox"/>
EAI AICON 2022	EAI AICON 2022 - 4th EAI International Conference on Artificial Intelligence for Communications and Networks Nov 30, 2022 - Dec 1, 2022	Hiroshima, Japan	Jun 30, 2022	<input type="checkbox"/>
EAI BlockTEA 2022	EAI BlockTEA 2022 - 2nd EAI International Conference on Blockchain Technology and Emerging Applications			<input type="checkbox"/>