Hassan Faraj, Klevis Todi, Musa Zahoor
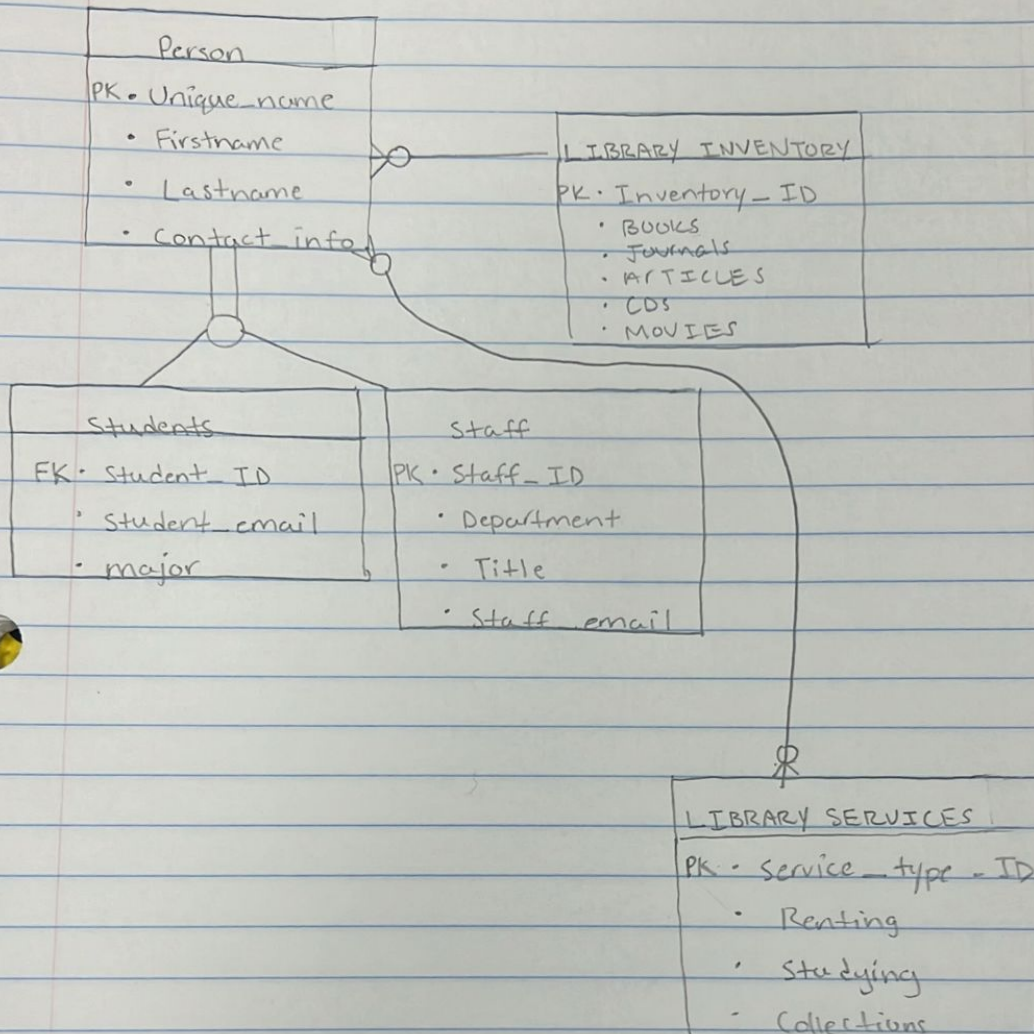ISM-431-001
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Project Plan write-up

The organization we are going to be using is the University of Michigan library. The University of Michigan library was established in 1838 and the main library is located/based in Ann Arbor. The library is one of the largest in the nation and provides students with multiple resources and services for them to expand their knowledge and provides additional support towards their learning careers. The U of M library has several locations spanning across multiple University locations and even provides a large online infrastructure. Some of these locations reside in The University of Michigan Ann Arbor, Dearborn, and Flint. Students from each of these campuses have exclusive access to these libraries and have numerous resources at their disposal. Some of the resources that are provided by the library include books, e-journals, articles, CDs, and movies/documentaries. Along with these resources they also offer services such as renting books or course materials, studying services, and collections of student data/history. The University of Michigan library employs well over 600 staff members across multiple campuses.

We chose this organization as it is a subset of a large organization in which there are many relationships created through this system for the professors, students, and other faculty on campus. The library is available to all students and staff and can be used by anyone attending U of M. We believe that by using the U of M library as our organization of choice, we can create a robust database and implement course concepts thoroughly.

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UMD Library Conceptual Model

Person

PK · Unique_name
- Firstname
- Lastname
- Contact_info

LIBRARY INVENTORY

PK · Inventory_ID
- BOOKS
- Journals
- ARTICLES
- CDS
- MOVIES

Students

FK · Student_ID
- Student_email
- major

Staff

PK · Staff_ID
- Department
- Title
- Staff_email

LIBRARY SERVICES

PK · Service_type_ID
- Renting
- Studying
- Collections

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	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Assign Groups/ Meet With Group**	1 day	Tue 10/3/23	Tue 10/3/23	
2		Discuss Roles	2 days	Wed 10/4/23	Thu 10/5/23	1
3		**Project Planning**	4 days	Fri 10/6/23	Wed 10/11/23	2
4		Project Write-up	4 days	Thu 10/12/23	Tue 10/17/23	3
5		Draft Conceptual Model	4 days	Wed 10/18/23	Mon 10/23/23	4
6		Create Project Schedule	4 days	Tue 10/24/23	Fri 10/27/23	5
7		Submit Project Write Up Assignment	4 days	Mon 10/30/23	Thu 11/2/23	6
8		**Start Phase 1 & 2**	9 days	Fri 11/3/23	Wed 11/15/23	7
9		Conceptual Data Modeling	4 days	Thu 11/16/23	Tue 11/21/23	8
10		Logical Database Design	7 days	Wed 11/22/23	Thu 11/30/23	9
11		**Start Phase 3 & 4**	6 days	Fri 12/1/23	Fri 12/8/23	10
12		Physical Database Design	3 days	Mon 12/11/23	Wed 12/13/23	11
13		Database Implementation	4 days	Thu 12/14/23	Tue 12/19/23	12
14		**Start Phase 5**	8 days	Wed 12/20/23	Fri 12/29/23	13
15		**Project Process Meetup**	22 days	Mon 1/1/24	Tue 1/30/24	14
16		Meet With Professor	1 day	Wed 1/31/24	Wed 1/31/24	15
17		Group Meeting	1 day	Thu 2/1/24	Thu 2/1/24	16
18		Project Process Report Due	11 days	Fri 2/2/24	Fri 2/16/24	17
19		Write Essay	7 days	Mon 2/19/24	Tue 2/27/24	18
20		Project Demo	7 days	Wed 2/28/24	Thu 3/7/24	19
21		Peer Review	7 days	Fri 3/8/24	Mon 3/18/24	20
22		**Final Project DUE**	7 days	Tue 3/19/24	Wed 3/27/24	21