

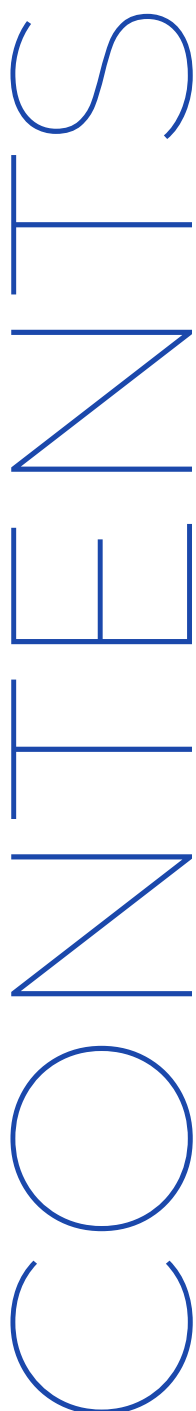


DBS Project Report

DBS-CW

2023-Jan

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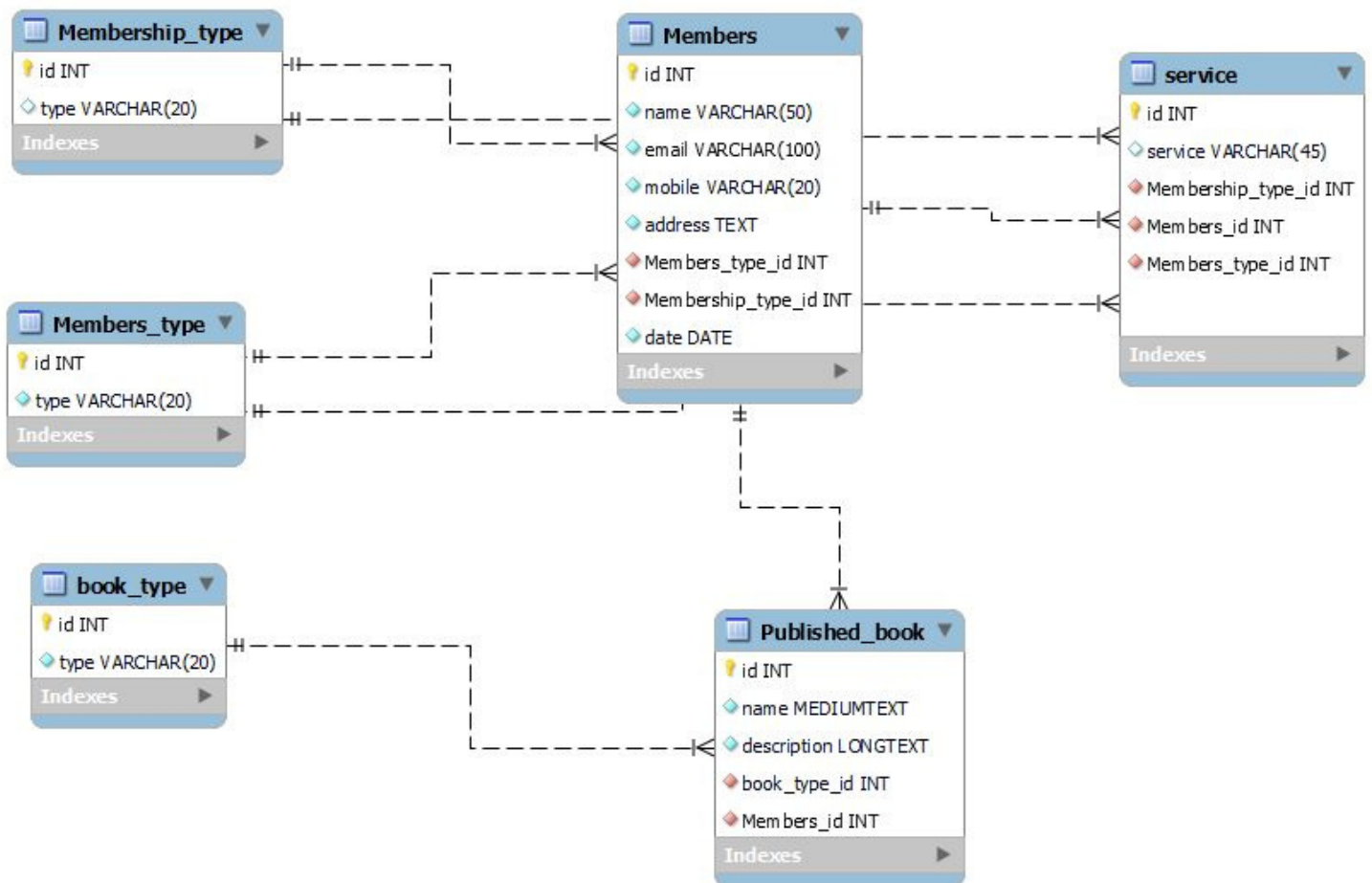
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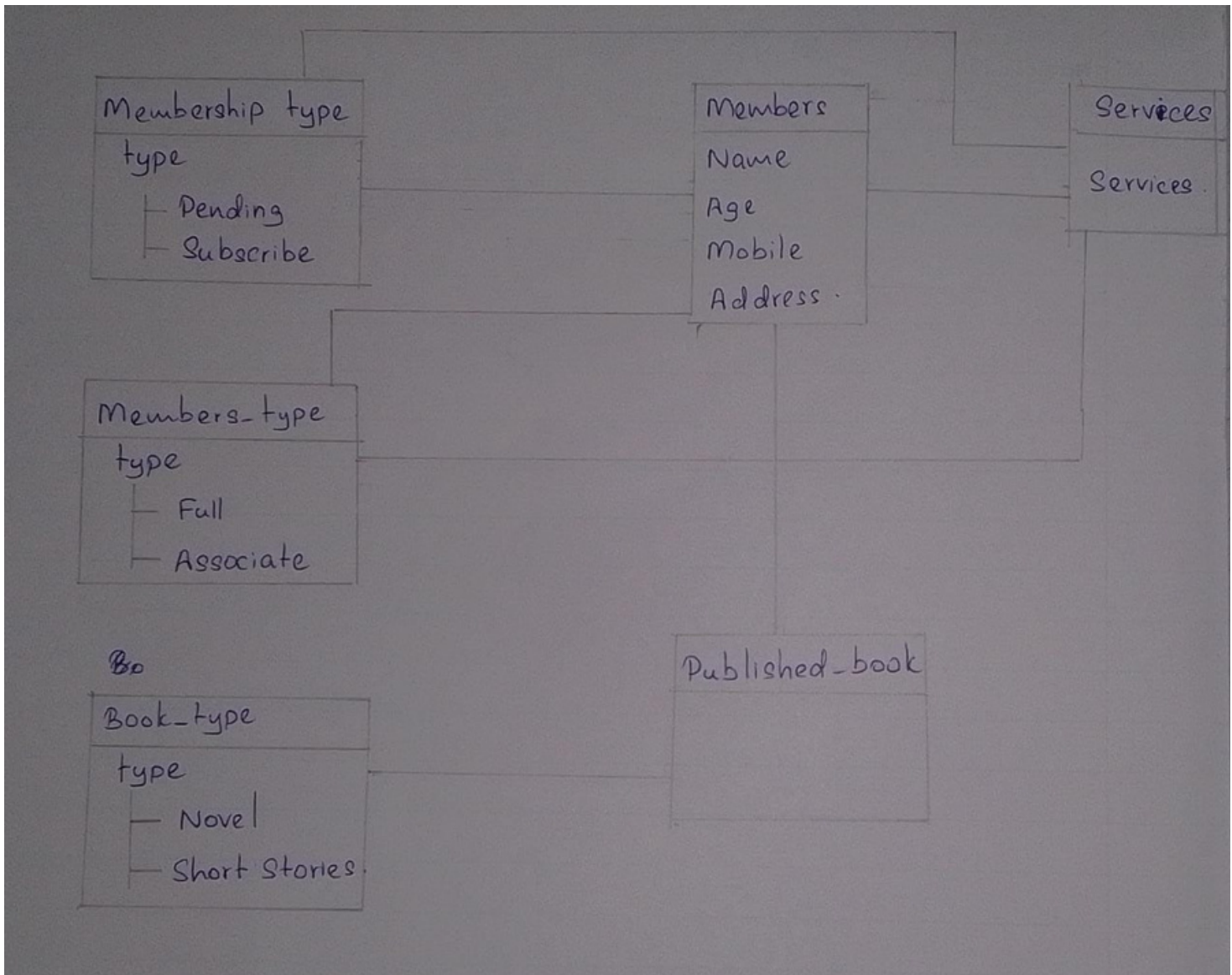
05.

Group members

DESIGN AND ERD



CONCEPTUAL ERD



IMPLEMENTATION OF DATA

```
USE iityoungwriters;

/*#add service
INSERT INTO `service` (`service`) VALUES ("service6");*/

/*#add book type
INSERT INTO `book_type` (`type`) VALUES ("short");*/

/*#add Membership type
INSERT INTO `Membership_type` (`type`) VALUES ("subscribe");*/

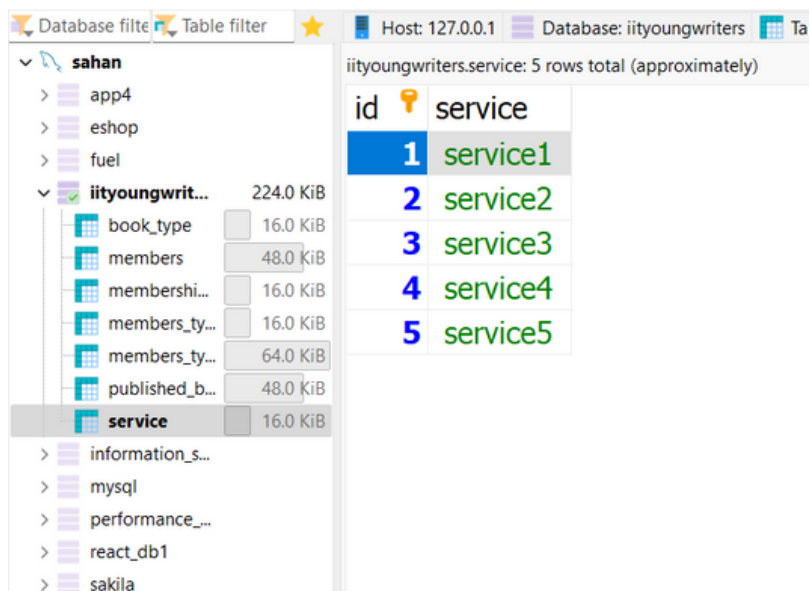
/*#add members type
INSERT INTO `Members_type` (`type`) VALUES ("full");*/

/*#add members
INSERT INTO `Members`
  (`name`, `email`, `mobile`, `address`, `Members_type_id`, `Membership_type_id`, `date`) VALUES
  ("Mia", "mia.k@outlook.com", 0771111111, "No. 23, Katukelle Road, Kandy", 2, 1, "2023-04-04") */

/* #add book
INSERT INTO `Published_book`
  (`name`, `description`, `book_type_id`, `Members_id`) VALUES
  ("book17", "this is a real-world adventure", 2, 9);*/

#add service
```

Add service



Database: iityoungwriters

Host: 127.0.0.1

Database: iityoungwriters

Table: iityoungwriters.service: 5 rows total (approximately)

id	service
1	service1
2	service2
3	service3
4	service4
5	service5

Add book type

Database filter Table filter ★ Host: 127.0.0.1 Database: iityoungwriters Table: book_type Data

▼ sahan

- > app4
- > eshop
- > fuel
- ▼ iityoungwrit... 224.0 KiB
 - book_type 16.0 KiB
 - members 48.0 KiB
 - membershi... 16.0 KiB
 - members_ty... 16.0 KiB
 - members_ty... 64.0 KiB
 - published_b... 48.0 KiB
 - service 16.0 KiB
- > information_s...
- > mysql
- > performance_...
- > react_db1
- > sakila
- > studentdb

iityoungwriters.book_type: 2 rows total (approximately)

id	type
1	novel
2	short

Add membership type

Database filter Table filter ★ Host: 127.0.0.1 Database: iityoungwriters Table: membership_ty

▼ sahan

- > app4
- > eshop
- > fuel
- ▼ iityoungwrit... 224.0 KiB
 - book_type 16.0 KiB
 - members 48.0 KiB
 - membersh... 16.0 KiB
 - members_ty... 16.0 KiB
 - members_ty... 64.0 KiB
 - published_b... 48.0 KiB
 - service 16.0 KiB
- > information_s...
- > mysql
- > performance_...
- > react_db1

iityoungwriters.membership_type: 2 rows total (approximately)

id	type
1	pending
2	subscribe

Add members type

The screenshot shows a database management interface. On the left, a tree view lists databases under 'sahan', including 'iityoungwrit...'. The 'members_t...' table is selected. On the right, the table structure for 'iityoungwriters.members_type' is displayed, showing 2 rows total. The table has two columns: 'id' and 'type'.

id	type
1	assosiate
2	full

Add books

The screenshot shows a database management interface. On the left, a tree view lists databases under 'sahan', including 'iityoungwrit...'. The 'published_...' table is selected. On the right, the table data for 'iityoungwriters.published_book' is displayed, showing 17 rows total. The table has five columns: 'id', 'name', 'description', 'book_type_id', and 'Members_id'.

id	name	description	book_type_id	Members_id
1	book1	this is a real-world advent...	2	1
2	book2	this is a real-world advent...	1	1
3	book3	this is a real-world advent...	1	1
4	book4	this is a real-world advent...	2	2
5	book5	this is a real-world advent...	2	3
6	book6	this is a real-world advent...	2	3
7	book7	this is a real-world advent...	1	4
8	book8	this is a real-world advent...	1	4
9	book9	this is a real-world advent...	1	4
10	book10	this is a real-world advent...	1	4
11	book11	this is a real-world advent...	2	4
12	book12	this is a real-world advent...	2	8
13	book13	this is a real-world advent...	2	9
14	book14	this is a real-world advent...	2	9
15	book15	this is a real-world advent...	2	9
16	book16	this is a real-world advent...	2	9
17	book17	this is a real-world advent...	2	9

Add members

Host: 127.0.0.1 Database: iityoungwriters Table: members Data Query*

iityoungwriters.members: 14 rows total (approximately)

id	name	email	mobile	address	Members_type_id	Membership_type_id	date
1	sahan	sahan@gmail.com	771617400	No. 17, Green Lane, Kandy	2	2	2023-04-04
2	lakmal	lakmal@gmail.com	771617455	No. 28, Rose Garden, Kandy	1	1	2023-04-04
3	Tharuka	tharuka@gmail.com	771617455	No. 39, Blue Hill, Kandy	2	2	2023-04-04
4	Ridmi	ridmi@gmail.com	771234567	No. 456, High Level Road, Kandy	2	2	2023-04-04
5	John	john123@gmail.com	772345678	No. 45, High Level Road, Kandy	1	1	2023-04-04
6	Amanda	amanda34@gmail.com	773456789	No. 32, Hill Street, Kandy	2	1	2023-04-04
7	Kevin	kevin_m@yahoo.com	774567890	No. 12, Peradeniya Road, Kandy	1	2	2023-04-04
8	Olivia	olivia34@hotmail.com	775678901	No. 67, Asgiriya Road, Kandy	2	2	2023-04-04
9	Michael	michael56@gmail.com	776789012	No. 89, Colombo Street, Kandy	1	1	2023-04-04
10	Sophie	sophie_smith@gmail.com	777890123	No. 20, Temple Road, Kandy	2	1	2023-04-04
11	Daniel	daniel_k@outlook.com	778901234	No. 75, Mahamaya Mawatha, Kandy	1	2	2023-04-04
12	Isabella	isabella_taylor@gmail.com	779012345	No. 55, Hantana Road, Kandy	2	2	2023-04-04
13	Ethan	ethan_miller@yahoo.com	770123456	No. 98, Anniewatta Road, Kandy	1	1	2023-04-04
14	Mia	mia.k@outlook.com	771111111	No. 23, Katukelle Road, Kandy	2	1	2023-04-04

Add service table

Host: 127.0.0.1 Database: iityoungwriters Table: service Data Query.sql*

iityoungwriters.service: 5 rows total (approximately)

id	service	Membership_type_id	Members_id	Members_type_id
1	service1	2	11	1
2	service2	2	12	2
3	service3	2	7	1
4	service4	2	12	2
5	service5	2	2	2

DATABASE PROCESS

IIT Young Writers Membership System

Introduction:

IIT Young Writers is an organization that gathers young writers of the IIT. The organization only allows professional writers to become members. Membership is granted by verifying the publication of a novel or three or more short stories. Based on the members' location, they are categorized into Full Members and Associate Members. Full Members are offered more than one service, while Associate Members can choose only one service.

GROUP MEMBERS

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