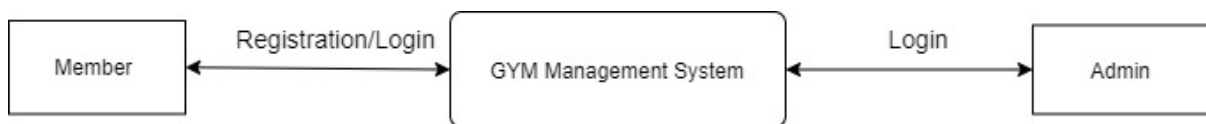# EXPERIMENT 6

AIM: Draw DFD (up to 2 levels) and prepare a Data Dictionary for the project

Project Name: GYM Management System
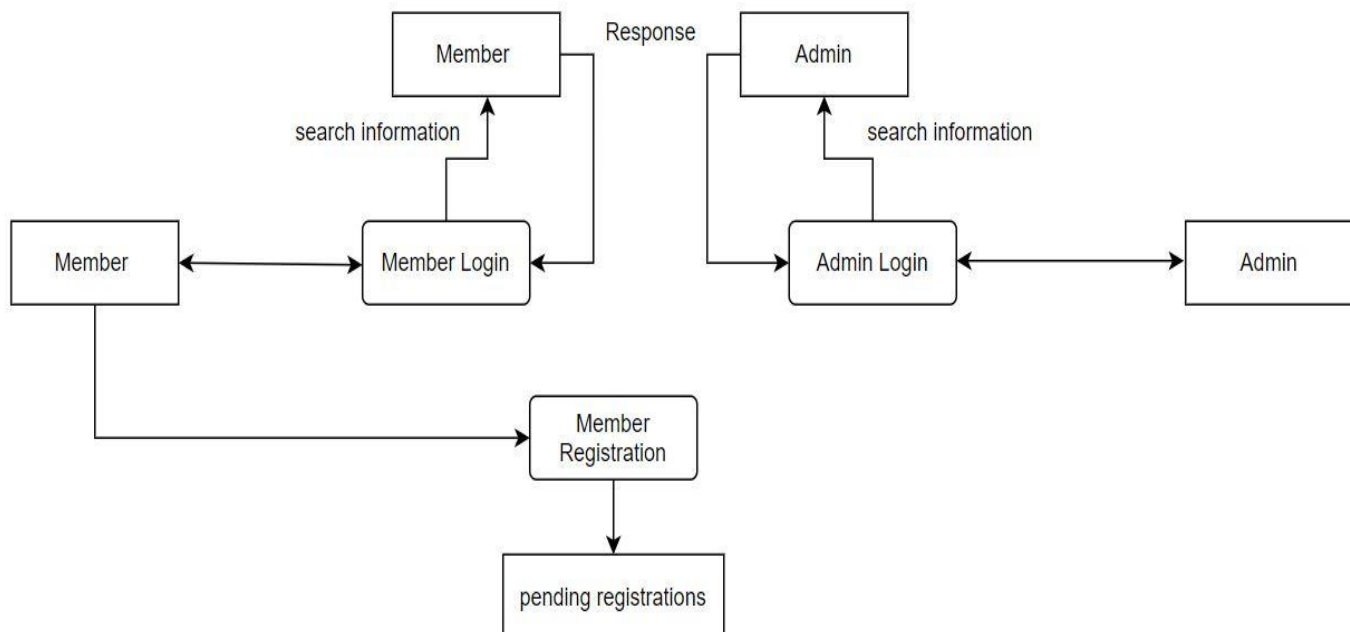
Team Members: Gunjan Bhawsinghka (04), Pratik Chainani (06**),**

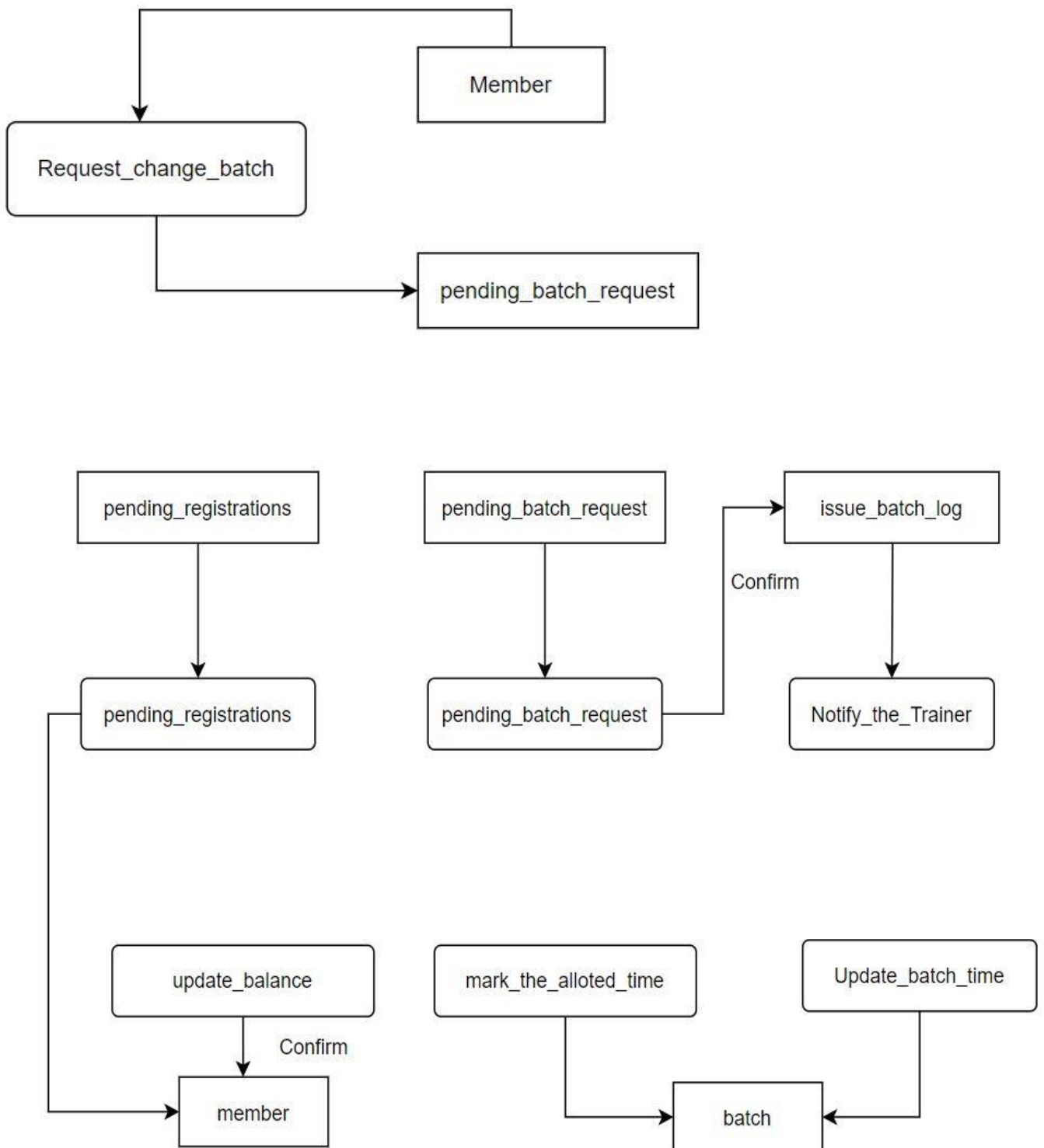Laveen Dawani (10)

Data Flow Diagram (DFD):

1) **LEVEL 0 DFD:**

2) **LEVEL 1 DFD:**

3) LEVEL 2 DFD (MEMBER):

Data Dictionary:

Entity name	Entity description	Column name	Datatype	Length	Example
Member	Members in the GYM	Mem_id	int	5	100
		password	varchar	10	abcd1234
		Mem_name	varchar	30	Raj
		purpose	varchar	50	height gain
		Body_id	int	5	12
		Address	varchar	100	51, Moksh Villa, Mumbai 431001
		email	varchar	20	raj@gmail.com
		phone_no.	bigint	10	9898989898
Membership	Memberships available in GYM	Membership_ID	int	3	4
		entry_date	date	yyyy-mm-dd	01-01-2021
		expiry_date	date	yyyy-mm-dd	01-04-2021
		Membership_rate	int	7	5000
		Membership_duration	int	1	3
		Membership_facilities	varchar	100	cardio,gyming,massage,trainer,diet plan
Body Type	Body type of member	Body_id	int	5	12
		age	int	3	24
		height	decimal	5	5.9
		weight	decimal	5	78
		sex	enum('M','F','O')	1	male
Payment	Membership Payment paid by member	Pay_id	bigint	10	5984521
		Mem_id	int	5	100
		DateTime stamp	timestamp	YYYY-MM-DD HH:MM:SS	05-04-2021 02:02
		amount	int	7	5000
Batch	Batches available in GYM	Batch_id	int	3	8
		start time	time	HH:MM:SS	10:30 AM
		finish time	time	HH:MM:SS	11:30 AM
Trainer	Trainers in the GYM	Trainer_id	int	3	18
		Trainer_name	varchar	30	Santosh
		Trainer_exp	int	2	5
		Address	varchar	100	205, Hill view apt, Mumbai 431002
		email	varchar	20	santosh@gmail.com
		phone_no.	bigint	10	9898989898
Equipment	Equipments available in GYM	equipment_no	int	3	2
		equipment_type	varchar	20	Tredmill