

Project Name: 社區網路通

Group: 7

Source Code: https://github.com/SAD-communityapp/SAD_Final/tree/master

Environment build-up: See README.md on github

Data Dictionary

USER

Column Name	Meaning	Data Type	Key	Constraint	Domain
User_ID	使用者ID	char (15)	PK		
Account	帳號	varchar (20)		Not Null	
Password	密碼	varchar (20)		Not Null	
Real_Name	真實姓名	varchar (20)		Not Null	
Nick_Name	暱稱	varchar (20)		Not Null	
Address	住址	varchar (50)		Not Null	

ANNOUNCEMENT

Column Name	Meaning	Data Type	Key	Constraint	Domain
Announcement_ID	公告ID	char (15)	PK		
Content	公告內容	varchar (2000)		Not Null	
Category	公告類別	varchar (20)		Not Null	
Publisher	公告者ID	char (15)	FK: USER(User_ID)		
Date	公告日期	date		Not Null	
Attach	公告附檔	varchar (100)			
Title	公告標題	varchar (30)		Not Null	
Show_in_Calendar	是否公告	bool		Not Null	
Start_Date	開始日期	date		Not Null	
End_Date	結束日期	date		Not Null	
Referential triggers		On Delete		On Update	
Publisher: USER(User_ID)		Cascade		Cascade	

PACKAGE_LETTER_RECORD

Column Name	Meaning	Data Type	Key	Constraint	Domain
Record_ID	包裹信件紀錄ID	char (15)	PK		
Receiver_ID	收件人ID	char (15)		Not Null	
Notification_Time	通知時間	timestamp		Not Null	
Collection_Time	領取日期	timestamp			
Collection_Status	領取狀態	varchar (20)			{Collected, Uncollected}
Referential triggers		On Delete		On Update	
Receiver_ID: USER(User_ID)		Cascade		Cascade	

PUBLIC_UTILITIES

Column Name	Meaning	Data Type	Key	Constraint	Domain
Utilities_ID	公設ID	char (15)	PK		
Utilities_Name	公設名字	varchar (100)		Not Null	
Opening_Hours_Begin	開放起始時間	timestamp		Not Null	
Opening_Hours_End	開放結束時間	timestamp		Not Null	
Picture	公設照片	varchar (100)			

PUBLIC_UTILITIES_RESERVED

Column Name	Meaning	Data Type	Key	Constraint	Domain
Utilities_ID	公設ID	char (15)	PK, FK: PUBLIC_UTILITIES (Utilities_ID)		
Reserved_User_ID	預約者ID	char (15)			
date	日期	date		Not Null	
Start_Time	開始時間	time with time zone		Not Null	
End_Time	結束時間	time with time zone		Not Null	
Referential triggers		On Delete		On Update	
Utilities_ID: PUBLIC_UTILITIES (Utilities_ID)		Cascade		Cascade	
Reserved_User_ID: USER(User_ID)		Cascade		Cascade	

GAS_METER_READING

Column Name	Meaning	Data Type	Key	Constraint	Domain
User_ID	抄表住戶ID	char (15)	PK, FK: USER(User_ID)		
Meter_Readings	抄表數字	int			
Read_Or_Not	是否抄表	bool		Not Null	{True,False}
Referential triggers		On Delete		On Update	
User_ID: USER(User_ID)		Cascade		Cascade	

Notifications

Column Name	Meaning	Data Type	Key	Constraint	Domain
Id	通知ID	integer	PK		
Title	通知標題	varchar(255)			
date	通知時間	timestamp			
Account	使用者帳號	date	FK: USER(Account)		
Details	細節部分	text			
Hasdot	使用者是否已查看	bool		Not Null	
Referential triggers		On Delete		On Update	
Account: USER(Account)		Cascade		Cascade	

MANAGEMENT_FEE

Column Name	Meaning	Data Type	Key	Constraint	Domain
User_ID	應繳管理費住戶ID	char (15)	PK, FK: USER(User_ID)		
Fee_Time	管理費時間	date			
Payment_Status	繳交狀態	bool			{True, False}
Payment_Deadline	繳費期限	date			
Fee_Amount	待繳費用金額	int		Not Null	
Referential triggers		On Delete		On Update	
User_ID: USER(User_ID)		Cascade		Cascade	

FEEDBACK

Column Name	Meaning	Data Type	Key	Constraint	Domain
Feedback_ID	意見ID	char (15)	PK		
Feedback_User_ID	意見反饋住戶ID	char (15)		FK: USER(User_ID)	
Announcement_ID	公告ID	char (15)	FK: Announcements(Announcement_ID)		
Content	反饋描述內容	varchar (200)		Not Null	
Feedback_Time	反饋時間	timestamp		Not Null	
Reply_ID	回覆者ID	char (15)	FK: USER(User_ID)		
Referential triggers		On Delete		On Update	
Feedback_User_ID: USER(User_ID)		Cascade		Cascade	
Announcement_ID: Announcements(Announcement_ID)		Cascade		Cascade	
Reply_ID: USER(User_ID)		Cascade		Cascade	

PARKING_RESERVED_RECORD

Column Name	Meaning	Data Type	Key	Constraint	Domain
Reserved_Record_ID	預約紀錄ID	char (15)	PK		
User_ID	預約者ID	char (15)		Not Null	
Parking_Space_ID	車位ID	char (15)	FK: PARKING_SPACE (Parking_Space_ID)	Not Null	
Begin_Time	開始時間	timestamp		Not Null	
End_Time	結束時間	timestamp		Not Null	
Total_Fee	總費用	int			
Payment_Status	付款狀態	bool			{Paid, Unpaid}
Referential triggers		On Delete		On Update	
Parking_Space_ID: PARKING_SPACE (Parking_Space_ID)		Cascade		Cascade	
User_ID: USER(User_ID)		Cascade		Cascade	

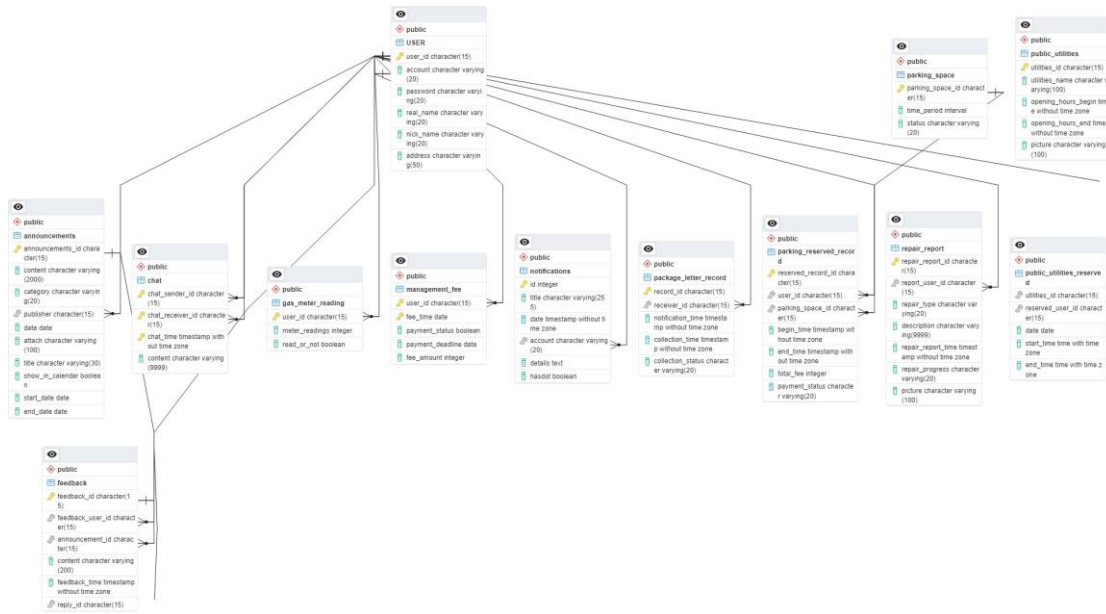
REPAIR_REPORT

Column Name	Meaning	Data Type	Key	Constraint	Domain
Repair_Report_ID	報修ID	char (15)	PK		
Report_User_ID	報修住戶ID	char (15)	FK: USER(User_ID)		
Repair_Type	報修類型	varchar (20)		Not Null	
Description	描述內容	varchar (9999)		Not Null	
Repair_Report_Time	報修日期	timestamp		Not Null	
Repair_Progress	報修處理進度	varchar (20)		Not Null	{Unchecked, Ongoing, Finished}
Picture	照片	varchar (100)			
Referential triggers		On Delete		On Update	
Report_User_ID: USER(User_ID)		Cascade		Cascade	

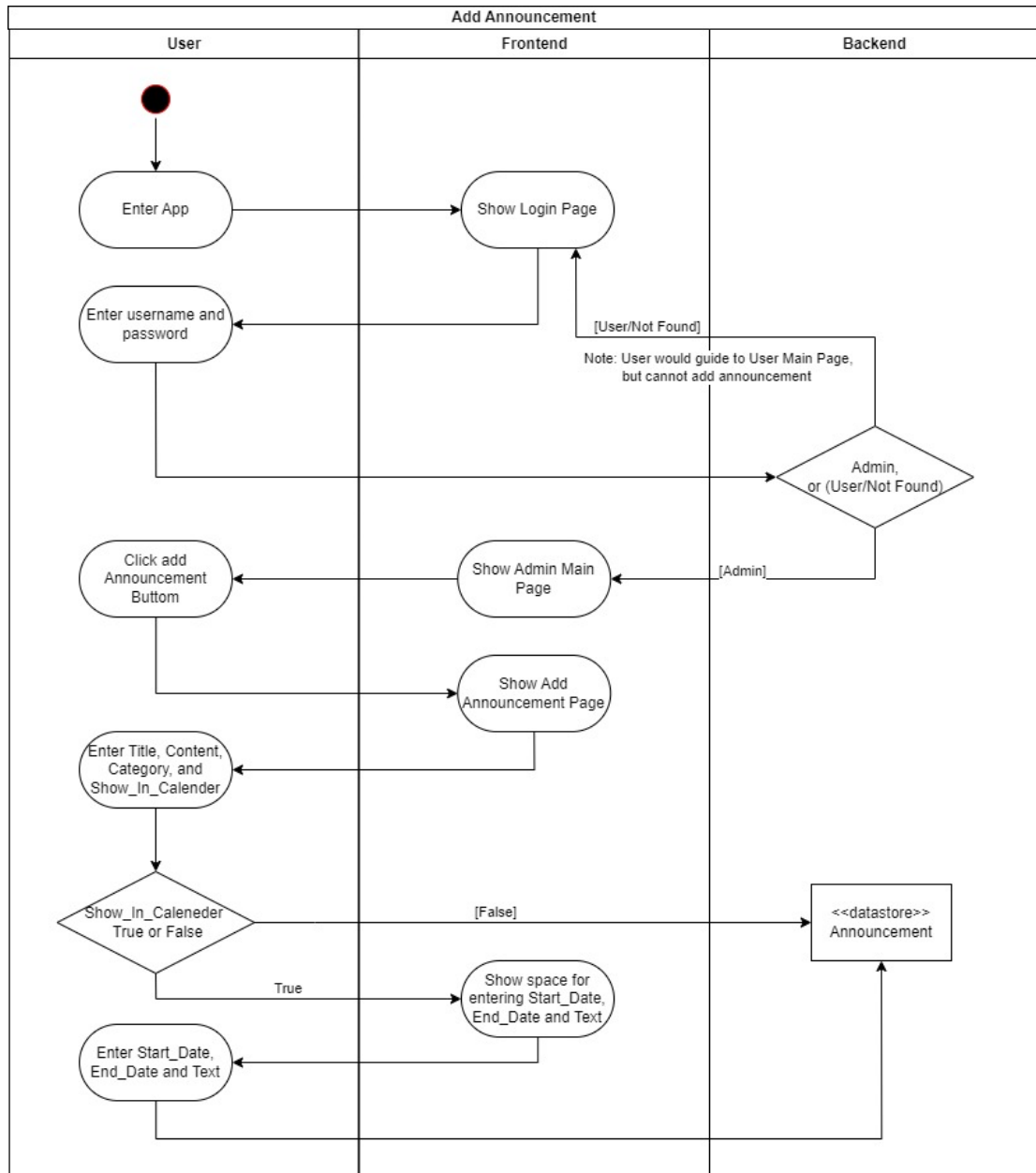
PARKING_SPACE

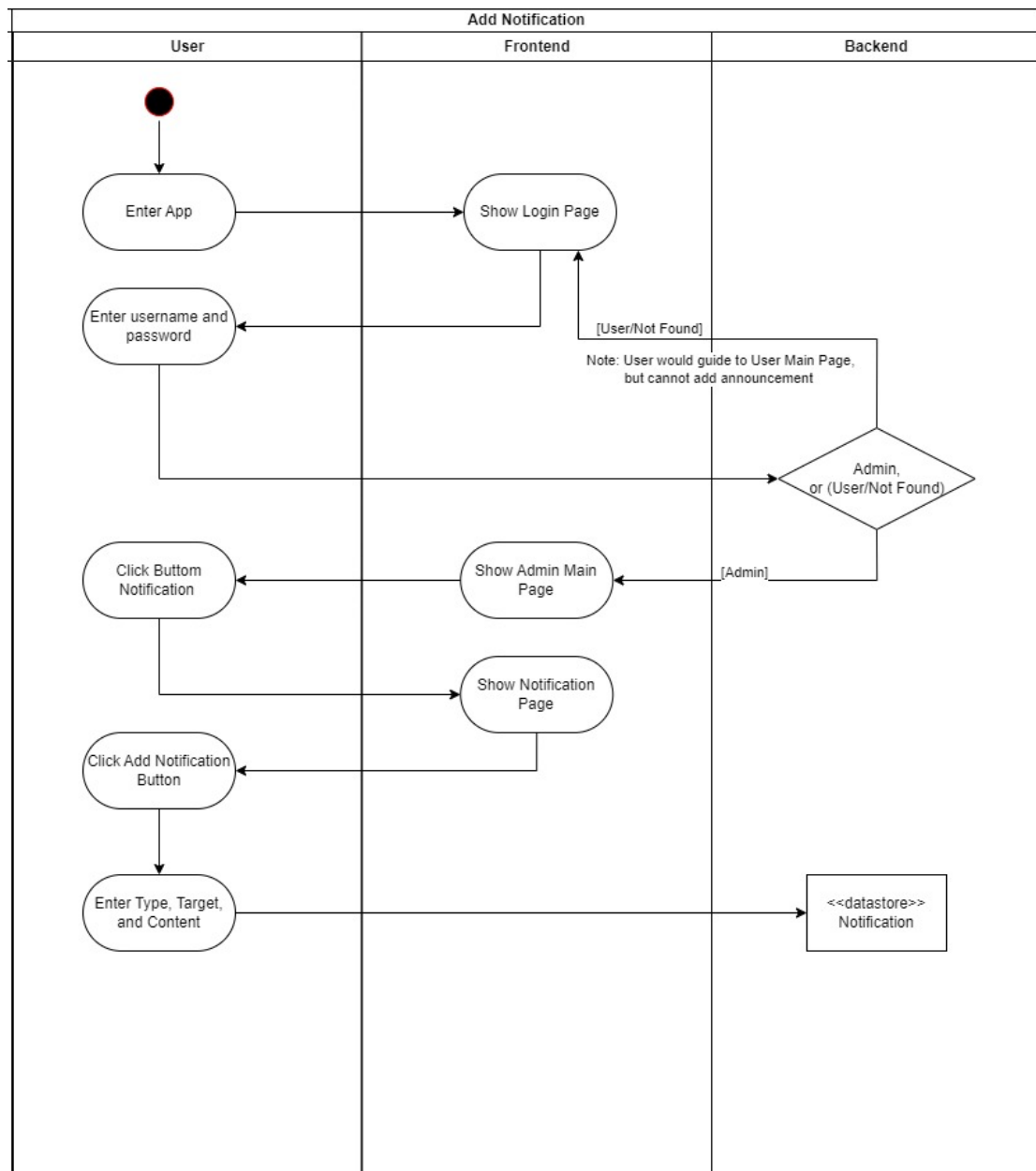
Column Name	Meaning	Data Type	Key	Constraint	Domain
Parking_Space_ID	車位ID	char (15)	PK		
Time_Period	時段	interval	PK		
Status	車位狀態	varchar (20)			{Reserved, Unreserved}

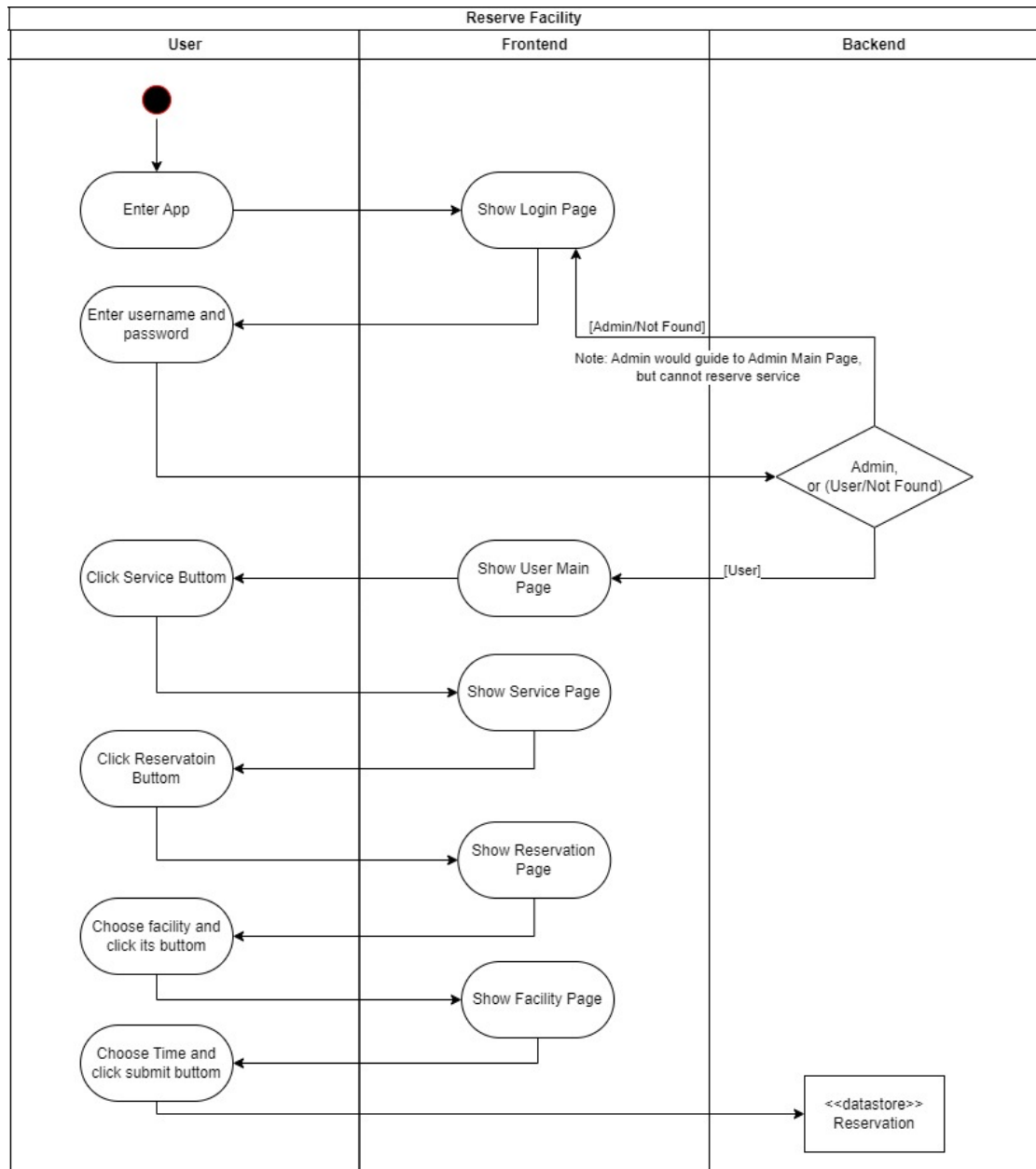
ERD

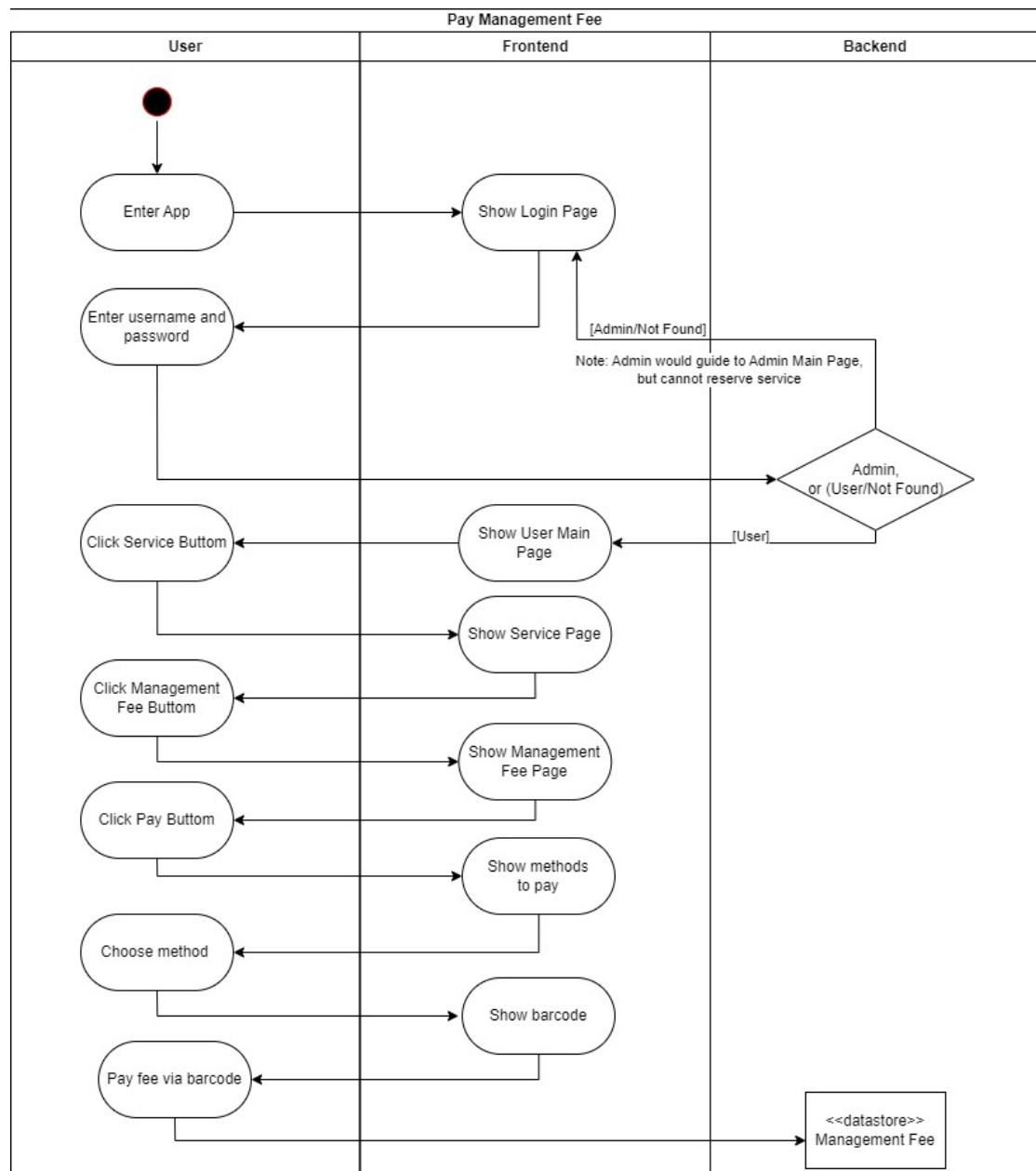


Activity diagram









Task Board

Product BackLog	Sprint PBIs	Todo or Not Started	Doing or In Progress	Done or Completed
Story 1: 身為一個社區居民，我需要一個方法來獲取、查看社區公告訊息，因為這樣可以避免遺漏重要資訊。				查看社區公告、並在任意公告中留言
				接收管委會及警衛通知
		與管委會或警衛即時對話		
Story 2 身為一個注重效率的社區居民，我需要一個方法來遠端預約設施、繳管理費，因為可以免去移動的時間。				線上預約公共設施
				線上繳交管理費
Story 3 身為一個時常忘東忘西的社區居民，我需要 app 能直接對瓦斯進行抄錶，因為可以隨時確認有無抄錶。				線上瓦斯抄錶

Product BackLog	Sprint PBIs	Todo or Not Started	Doing or In Progress	Done or Completed
<p>Story 4:</p> <p>身為一個擁有三台車的社區居民，我需要能夠租賃社區閒置的車位，因為如此才能更好的運用社區的空間。</p>		線上租賃車位		
<p>Story 5:</p> <p>身為一個時常使用社區公設的居民，我需要 app 有報修的功能，因為可以更效率的反應至管委會。</p>		線上報修		
<p>Story 6:</p> <p>身為一個擁有職業歌手鄰居的社區居民，我需要一個即時意見反饋的功能，因為能避免正面衝突。</p>		線上匿名填寫意見		
		查看大家的反饋並留言		
<p>Story 7</p> <p>身為一個社區管理會委員，我需要一個方法發送公告、傳送個別通知，因為我需要及時傳遞資訊給住戶。</p>				發送社區公告
				將公告顯示於行事曆
				傳送個別通知

Product BackLog	Sprint PBIs	Todo or Not Started	Doing or In Progress	Done or Completed
		與住戶即時對話		
Story 8: 身為一個社區管理會委員，我需要能檢視報修情況，因為能及時受理。		查看報修細節		
		回復修理進度		

Status Report

Project: 社區網路通	Team: Group 7	Sprint: 1
Story planned	Demo feedback	Next sprint action
COMPLETE Story 1 Story 2 Story 3 PARTIAL Story 7 NOT DELIVERED Story 4 Story 5 Story 6 Story 8	Story 1: meets needed Story 2: meets needed Story 3: meets needed Story 7: need 「與住戶即時對話」 Story 4: Ran out of Time in Sprint Story 5: Ran out of Time in Sprint Story 6: Ran out of Time in Sprint Story 8: Ran out of Time in Sprint	 Story 7:與住戶即時對話 Story 4: 線上租賃車位 Story 5: 線上報修 Story 6: 線上匿名填寫意見、查看大家的反饋並留言 Story 8: 查看報修細節、回復修理進度