

Client: http.ListenAndServe(":5221", routerOption)
Server: http.ListenAndServe(":5000", router)

client

FeatureURL

A) User / Collectors query for all bin details.http.Get(http://localhost:5000/api/v1/recyclebindetails)

B) User / Collectors submit feedback Details. <UserID>http.Post(http://localhost:5000/api/v1/recyclebindetails/feedback, "application/json", bytes.NewBuffer(jsonString))

c) User / Collectors query past feedback Details/Status. <UserID>http.Get(http://localhost:5000/api/v1/recyclebindetails/feedback/userID)

<UserID> from frontend after user logged in.

URL = "http://localhost:5221/recyclebinsFB" (Feedback page)

URL = "http://localhost:5221/showrecyclebins" (Show all bins and feedback details)

URL = "http://localhost:5000/api/v1/recyclebindetails"

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1 • CREATE DATABASE recycle;
2 #DROP DATABASE recycle;
3 • USE recycle;
4 • CREATE TABLE RecycleBinsDetails (
5   ID int AUTO_INCREMENT,
6   BinID VARCHAR(10),
7   BinType VARCHAR(10),
8   BinLocationLat float8,
9   BinLocationLong float8,
10  BinAddress VARCHAR(60),
11  Postcode int,
12  UserID VARCHAR(30),
13  FBOptions VARCHAR(20),
14  ColorCode VARCHAR(20),
15  Remarks VARCHAR(150),
16  BinStatusUpdate VARCHAR(20),
17  PRIMARY KEY (ID)
18 );

```

Result Grid

	ID	BinID	BinType	BinLocationLat	BinLocationLong	BinAddress	Postcode	UserID	FBOptions	ColorCode	Remarks	BinStatusUpdate
▶	1	A00001	Commo...	1.403177	103.901636	274D Punggol Place	824274	NIL	NIL	Green: Almost Empty	NIL	NIL
	2	A00002	Commo...	1.401916	103.902076	275 Punggol Pl	820275	NIL	NIL	Orange: 80% Full	NIL	NIL
	3	A00003	Commo...	1.401527	103.901126	208A Punggol Pl	821208	NIL	NIL	Red: 100% Full	NIL	NIL
	4	E00001	E waste	1.40676	103.903087	WaterWayPt #B1-...	828761	NIL	NIL	Yellow: 50% Full	NIL	NIL
	5	M00001	Mix Bin	1.405313	103.902761	70 Punggol Central	828868	NIL	NIL	Yellow: 50% Full	NIL	NIL
	6	NIL	NIL	0	0	Botanic Gardens	123456	Lanzs	New Bin Request	NIL	No nearby Bins	Submitted
	7	NIL	NIL	0	0	ZOO	123456	Lanzs	New Bin Request	NIL	Elephant sit on bin.	Submitted
	8	NIL	NIL	0	0	River Safari	123333	Lanzs	Bin Fullness Status	Red: 100% Full	Please clear asap!	Submitted