User sets Location

User Selects today's weather?

Yes → Show today's weather

Structure Required:

API call to get data and screen to display

No

User Selects another day's weather?

Yes → Show selected weather period

Structure Required:

API call to get data and screen to display

No

```
                    ┌──────────────────┐        Yes      ┌──────────────────┐
                    │  User Selects to │───────────────▶│ Set extra        │
                    │      set         │                 │ favourite        │
                    │ favourite location?│               └──────────────────┘
                    └──────────────────┘
                            │
                            │                 **Structure Required**:
                            │ No
                            │                 DB Table to store favourites.
                            │                 Lookup for location names against lat/long
                            ▼                 (Laravel Geolocation Plugin?)
                    ┌──────────────────┐        Yes      ┌──────────────────┐
                    │  User clicks to  │───────────────▶│ Remove selected  │
                    │     remove       │                 │ favourite        │
                    │ favourite location?│               └──────────────────┘
                    └──────────────────┘
                            │
                            │ No
                            │
                            ▼
                    ┌──────────────────┐        Yes      ┌──────────────────┐    **Structure Required**:
                    │ User toggles daily email? │──────▶│ Toggle email     │
                    │                  │                 │ preference.      │    Call function to set the toggle correctly.
                    └──────────────────┘                 └──────────────────┘
                                                                  │
                                                                  ▼
                                                         ┌──────────────────┐    No    ┌──────────────────┐
                                                         │ User choose daily email? │─▶│ Remove from daily│
                                                         │                  │          │ list/queue       │
                                                         └──────────────────┘          └──────────────────┘
                                                                  │
                                                                  ▼
                                                         ┌──────────────────┐
                                                         │ Add to daily list/queue │
                                                         └──────────────────┘
```

Additional Structure Required:

Events and listeners for the toggle email preference.
Job queue to assign to email sending to.
Cron job either Laravel based or server based.

DB Diagram

```
┌─────────────────────────────────────────────────────────┐          ┌─────────────────────────────────────────────────┐
│                         users                           │          │                    preferences                  │
├─────────────────────────────────────────────────────────┤          ├─────────────────────────────────────────────────┤
│ | id              | bigint unsigned | NO  | PRI | NULL    | auto_increment |   │ | id        | bigint unsigned | NO  | PRI | NU
│ | name            | varchar(255)  | NO  |   | NULL  |          |            │ | user_id   | bigint unsigned | NO  |   | NU
│ | email           | varchar(255)  | NO  | UNI | NULL  |          |    One to One │ | data      | json          | YES |   | NULL
│ | email_verified_at | timestamp     | YES |   | NULL  |          |──────────────▶│ | created_at | timestamp     | YES |   | N
│ | password        | varchar(255)  | NO  |   | NULL  |          |            │ | updated_at | timestamp     | YES |   | N
│ | remember_token  | varchar(100)  | YES |   | NULL  |          |            │
│ | created_at      | timestamp     | YES |   | NULL  |          |            │
│ | updated_at      | timestamp     | YES |   | NULL  |          |            │
└─────────────────────────────────────────────────────────┘          └─────────────────────────────────────────────────┘
```

ULL		auto_increment
ULL		
IULL		
NULL		

One to Many

```
favourites

| id         | bigint unsigned | NO  | PRI | NULL    | auto_increment |
| user_id    | bigint unsigned | NO  |     | NULL    |                |
| data       | varchar(255)    | NO  |     | NULL    |                |
| created_at | timestamp       | YES |     | NULL    |                |
| updated_at | timestamp       | YES |     | NULL    |                |
```