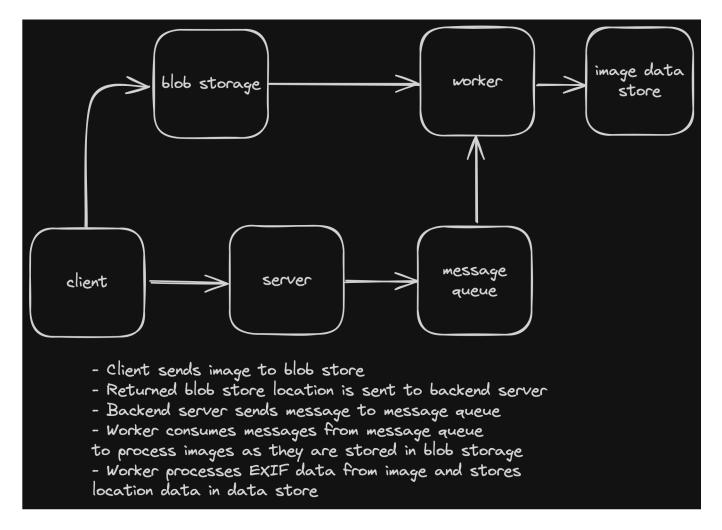
# #rust #personal-project Scoping (MVP)

- User can create an account and authenticate
- User can upload PNG or JPEG photo
- If photo has geolocation metadata it will get pinned on an interactive map
- If photo does not have geolocation metadata user will get a notification and image will not be imported to system
   Scoping (Phase 2)
- User can select location on map if no geolocation metadata

## **Technical design**

#### **Flow**

User uploads photo -> photo is placed in to blob storage -> sends event to queue system with image metadata -> worker picks up event -> worker sends geolocation to data store



## **Data models**

## **Data store**

Tables: users (User entity), images (ImageData entity)

```
!theme minty
entity ImageData {
    id PK Uuid
        user_id FK Uuid
        coordinates geography(POINT)
        blob TEXT
}
entity User {
    id PK Uuid
        first_name TEXT
        last_name TEXT
        username TEXT
        email TEXT
}
```

## Message queue

```
!theme minty
entity NewImageUploadEvent {
    id int

    /* the location where the image was imported to in blob storage */
    source String

    / * the id of the user the uploaded the image */
    user_id int
}
```

## **API**

POST /api/v1/images

DTO

```
!theme minty

struct ImagesDto {
    id int
        source String
        user_id int
}
```

#### Response

```
201 Created
400 Bad request
401 Unauthorized
GET /api/v1/user/:user_id/images
```

#### Response

```
200 OK
400 Bad request generic service error
401 Unauthorized no jwt or invalid jwt
403 Forbidden attempting to access user_id that is not in jwt
```

### Response Body

```
!theme minty

struct Images {
        images Vec<Image>
}

struct Image {
        latitude String
        longitude String
        source String
}
```