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Site Settings Module Implementation

1. Creation of the Site Settings Module

The **Site Settings** module consists of the following components:

- **Controller** : Manages the logic for handling site settings.
- **Model** : Defines the database structure and interactions.
- **View** : Provides the UI for managing site settings.
- **Service** : Handles business logic and operations related to site settings.

Database Table Creation

The following SQL query creates the `sdm_sitesettings` table to store site settings:

```
CREATE TABLE IF NOT EXISTS public.sdm_sitesettings (
  id INTEGER NOT NULL GENERATED BY DEFAULT AS IDENTITY (
    INCREMENT 1 START 1 MINVALUE 1 MAXVALUE 2147483647 CACHE 1
  ),
  name CHARACTER VARYING(255) COLLATE pg_catalog."default" NOT NULL,
  value CHARACTER VARYING(255) COLLATE pg_catalog."default",
  remarks CHARACTER VARYING COLLATE pg_catalog."default",
  data_type CHARACTER VARYING(255) COLLATE pg_catalog."default",
  options CHARACTER VARYING COLLATE pg_catalog."default",
  created_at TIMESTAMP WITHOUT TIME ZONE,
  updated_at TIMESTAMP WITHOUT TIME ZONE,
  deleted_at TIMESTAMP WITHOUT TIME ZONE,
  CONSTRAINT sitesettings_pkey PRIMARY KEY (id)
) TABLESPACE pg_default;

ALTER TABLE IF EXISTS public.sdm_sitesettings
  OWNER TO postgres;
```

Data Import

The initial data for the site settings module is provided in a **CSV file** .

2. Schedule Desludging Enhancements

Containments Table (**fsm.containments**)

```
ALTER TABLE fsm.containments
ADD COLUMN priority INTEGER,
ADD COLUMN fstp_distance NUMERIC,
ADD COLUMN closest_fstp_id INTEGER,
ADD COLUMN status INTEGER;
```

Buildings Table (**building_info.building**)

```
ALTER TABLE building_info.building
ADD COLUMN block_number CHARACTER VARYING COLLATE pg_catalog."default",
ADD COLUMN wasa_status BOOLEAN;
```

3. Supervisory Assessment Enhancements

```
ALTER TABLE fsm.applications
ADD COLUMN supervisory_assessment_date DATE,
ADD COLUMN supervisory_assessment_status BOOLEAN;
ALTER COLUMN supervisory_assessment_status SET DEFAULT false;
```

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create table :

```
CREATE TABLE IF NOT EXISTS public.pdf_body_data
(
    id bigint NOT NULL DEFAULT nextval('pdf_body_data_id_seq'::regclass),
```

```
subject character varying(255) COLLATE pg_catalog."default" NOT NULL,  
paragraph text COLLATE pg_catalog."default" NOT NULL,  
created_at timestamp(0) without time zone,  
updated_at timestamp(0) without time zone,  
deleted_at timestamp(0) without time zone,  
date character varying COLLATE pg_catalog."default",  
unique_ref character varying COLLATE pg_catalog."default",  
CONSTRAINT pdf_body_data_pkey PRIMARY KEY (id)  
)  
CREATE SEQUENCE IF NOT EXISTS public.pdf_body_data_id_seq  
    INCREMENT 1  
    START 1  
    MINVALUE 1  
    MAXVALUE 9223372036854775807  
    CACHE 1
```

controller , model ,view