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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**.

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## 2. Schedule Desludging Enhancements

### Containments Table (**fsm.containsments**)

```
ALTER TABLE fsm.containsments
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;
```

## 4. dynamic pdf - business process 5

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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),
    content text
)
```

```
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