DDL PAYSLIP

```sql
CREATE TABLE public.users (
        id uuid NOT NULL,
        username varchar(100) NOT NULL,
        password_hash text NOT NULL,
        "role" varchar(10) NOT NULL,
        salary numeric(15, 2) NULL,
        created_at timestamp NULL DEFAULT now(),
        updated_at timestamp NULL DEFAULT now(),
        CONSTRAINT users_pkey PRIMARY KEY (id),
        CONSTRAINT users_role_check CHECK (((role)::text = ANY
((ARRAY['admin'::character varying, 'employee'::character varying])::text[]))));
```

```sql
CREATE TABLE public.attendance_periods (
        id uuid NOT NULL,
        start_date date NOT NULL,
        end_date date NOT NULL,
        is_paid text NULL,
        ip_address inet NULL,
        created_by uuid NULL,
        created_at timestamp NULL DEFAULT now(),
        updated_at timestamp NULL DEFAULT now(),
        CONSTRAINT attendance_periods_pkey PRIMARY KEY (id)
);

ALTER TABLE public.attendance_periods ADD CONSTRAINT
attendance_periods_created_by_fkey FOREIGN KEY (created_by) REFERENCES
users(id);
```

```sql
CREATE TABLE public.attendances (
        id uuid NOT NULL,
        user_id uuid NULL,
        "date" date NOT NULL,
        start_hour text NULL,
        end_hour text NULL,
        duration text NULL,
        created_at timestamp NULL DEFAULT now(),
        created_by uuid NULL,
        ip_address inet NULL,
        CONSTRAINT attendances_pkey PRIMARY KEY (id),
        CONSTRAINT attendances_user_id_date_key UNIQUE (user_id, date)
);

ALTER TABLE public.attendances ADD CONSTRAINT attendances_created_by_fkey
FOREIGN KEY (created_by) REFERENCES users(id);
ALTER TABLE public.attendances ADD CONSTRAINT attendances_user_id_fkey
FOREIGN KEY (user_id) REFERENCES users(id);
```

```sql
CREATE TABLE public.overtimes (
        id uuid NOT NULL,
        user_id uuid NULL,
        "date" date NOT NULL,
        hours numeric(4, 2) NULL,
        created_at timestamp NULL DEFAULT now(),
        created_by uuid NULL,
        ip_address inet NULL,
        CONSTRAINT overtimes_hours_check CHECK ((hours <= (3)::numeric)),
        CONSTRAINT overtimes_pkey PRIMARY KEY (id),
        CONSTRAINT overtimes_user_id_date_key UNIQUE (user_id, date)
);

ALTER TABLE public.overtimes ADD CONSTRAINT overtimes_created_by_fkey
FOREIGN KEY (created_by) REFERENCES users(id);
ALTER TABLE public.overtimes ADD CONSTRAINT overtimes_user_id_fkey FOREIGN
KEY (user_id) REFERENCES users(id);
```

```sql
CREATE TABLE public.payrolls (
        id uuid NOT NULL,
        period_id uuid NULL,
        start_date date NULL,
        end_date date NULL,
        created_by uuid NULL,
        created_at timestamp NULL DEFAULT now(),
        is_paid text NULL,
        CONSTRAINT payrolls_pkey PRIMARY KEY (id)
);

ALTER TABLE public.payrolls ADD CONSTRAINT payrolls_created_by_fkey FOREIGN
KEY (created_by) REFERENCES users(id);
ALTER TABLE public.payrolls ADD CONSTRAINT payrolls_period_id_fkey FOREIGN
KEY (period_id) REFERENCES attendance_periods(id);
```

```sql
CREATE TABLE public.payslips (
        id uuid NOT NULL,
        payroll_id uuid NULL,
        user_id uuid NULL,
        start_date date NULL,
        end_date date NULL,
        base_salary_day numeric(15, 2) NULL,
        total_attendance_days int4 NULL,
        total_overtime_hours numeric(6, 2) NULL,
        total_reimbursements numeric(15, 2) NULL,
        take_home_pay numeric(15, 2) NULL,
        created_at timestamp NULL DEFAULT now(),
        base_salary_overtime numeric(15, 2) NULL,
        salary_this_month numeric(15, 2) NULL,
```

```sql
        salary_overtime_total numeric(15, 2) NULL,
        CONSTRAINT payslips_pkey PRIMARY KEY (id)
);

ALTER TABLE public.payslips ADD CONSTRAINT payslips_payroll_id_fkey FOREIGN
KEY (payroll_id) REFERENCES payrolls(id);
ALTER TABLE public.payslips ADD CONSTRAINT payslips_user_id_fkey FOREIGN KEY
(user_id) REFERENCES users(id);
```
```sql
CREATE TABLE public.reimbursements (
        id uuid NOT NULL,
        user_id uuid NULL,
        "date" date NOT NULL,
        amount numeric(15, 2) NOT NULL,
        description text NULL,
        created_at timestamp NULL DEFAULT now(),
        created_by uuid NULL,
        ip_address inet NULL,
        CONSTRAINT reimbursements_pkey PRIMARY KEY (id)
);

ALTER TABLE public.reimbursements ADD CONSTRAINT
reimbursements_created_by_fkey FOREIGN KEY (created_by) REFERENCES
users(id);
ALTER TABLE public.reimbursements ADD CONSTRAINT
reimbursements_user_id_fkey FOREIGN KEY (user_id) REFERENCES users(id);
```