# PostgreSQL Datenbank Schema

```
--
-- PostgreSQL database dump
--

-- Dumped from database version 12.9 (Ubuntu 12.9-1.pgdg18.04+1)
-- Dumped by pg_dump version 12.9 (Ubuntu 12.9-1.pgdg18.04+1)

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_timeout = 0;
SET client_encoding = 'UTF8';
SET standard_conforming_strings = on;
SELECT pg_catalog.set_config('search_path', '', false);
SET check_function_bodies = false;
SET xmloption = content;
SET client_min_messages = warning;
SET row_security = off;


--
-- Name: collhbrs; Type: SCHEMA; Schema: -; Owner: houde2s
--

CREATE SCHEMA collhbrs;


ALTER SCHEMA collhbrs OWNER TO houde2s;

--
-- Name: SCHEMA collhbrs; Type: COMMENT; Schema: -; Owner: houde2s
--

COMMENT ON SCHEMA collhbrs IS 'SoftwareEngineering2';


--
-- Name: col_seq_address_id; Type: SEQUENCE; Schema: collhbrs; Owner: houde2s
--

CREATE SEQUENCE collhbrs.col_seq_address_id
    START WITH 10000000
    INCREMENT BY 1
    MINVALUE 10000000
    MAXVALUE 19999999
```

```
   CACHE 1;


ALTER TABLE collhbrs.col_seq_address_id OWNER TO houde2s;


--
-- Name: col_seq_advertisement_id; Type: SEQUENCE; Schema: collhbrs; Owner: houde2s
--

CREATE SEQUENCE collhbrs.col_seq_advertisement_id
   START WITH 30000000
   INCREMENT BY 1
   MINVALUE 30000000
   MAXVALUE 39999999
   CACHE 1;


ALTER TABLE collhbrs.col_seq_advertisement_id OWNER TO houde2s;


--
-- Name: col_seq_application_id; Type: SEQUENCE; Schema: collhbrs; Owner: houde2s
--

CREATE SEQUENCE collhbrs.col_seq_application_id
   START WITH 60000000
   INCREMENT BY 1
   MINVALUE 60000000
   MAXVALUE 69999999
   CACHE 1;


ALTER TABLE collhbrs.col_seq_application_id OWNER TO houde2s;


--
-- Name: col_seq_company_id; Type: SEQUENCE; Schema: collhbrs; Owner: houde2s
--

CREATE SEQUENCE collhbrs.col_seq_company_id
   START WITH 40000000
   INCREMENT BY 1
   MINVALUE 40000000
   MAXVALUE 49999999
   CACHE 1;


ALTER TABLE collhbrs.col_seq_company_id OWNER TO houde2s;


--
```

```sql
-- Name: col_seq_message_id; Type: SEQUENCE; Schema: collhbrs; Owner: houde2s
--

CREATE SEQUENCE collhbrs.col_seq_message_id
    START WITH 50000000
    INCREMENT BY 1
    MINVALUE 50000000
    MAXVALUE 59999999
    CACHE 1;


ALTER TABLE collhbrs.col_seq_message_id OWNER TO houde2s;


--
-- Name: col_seq_user_id; Type: SEQUENCE; Schema: collhbrs; Owner: houde2s
--

CREATE SEQUENCE collhbrs.col_seq_user_id
    START WITH 20000000
    INCREMENT BY 1
    MINVALUE 20000000
    MAXVALUE 29999999
    CACHE 1;


ALTER TABLE collhbrs.col_seq_user_id OWNER TO houde2s;

SET default_tablespace = '';

SET default_table_access_method = heap;

--
-- Name: col_tab_address; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_address (
    address_id bigint DEFAULT nextval('collhbrs.col_seq_address_id'::regclass) NOT NULL,
    postal_code character varying(5) NOT NULL,
    city character varying(16) NOT NULL,
    country character varying(32) NOT NULL,
    street character varying(48) NOT NULL,
    house_number character varying(4) NOT NULL
);


ALTER TABLE collhbrs.col_tab_address OWNER TO houde2s;

--
```

```sql
-- Name: col_tab_application; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_application (
    application_id bigint DEFAULT nextval('collhbrs.col_seq_application_id'::regclass) NOT NULL,
    user_id bigint NOT NULL,
    advertisement_id bigint NOT NULL,
    headline character varying(128) NOT NULL,
    text character varying(4096) NOT NULL,
    date date NOT NULL
);


ALTER TABLE collhbrs.col_tab_application OWNER TO houde2s;


--
-- Name: col_tab_company; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_company (
    company_id bigint DEFAULT nextval('collhbrs.col_seq_company_id'::regclass) NOT NULL,
    company_description character varying(1024) NOT NULL,
    homepage character varying(32),
    fax_number character varying(12),
    company_name character varying(32) NOT NULL,
    address_id bigint NOT NULL,
    mail_address character varying(32),
    phone_number character varying(12)
);


ALTER TABLE collhbrs.col_tab_company OWNER TO houde2s;


--
-- Name: col_tab_contact_person; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_contact_person (
    user_id bigint NOT NULL,
    company_id bigint NOT NULL,
    role character varying(16)
);


ALTER TABLE collhbrs.col_tab_contact_person OWNER TO houde2s;
```

```sql
--
-- Name: col_tab_job_advertisement; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_job_advertisement (
    temporary_employment boolean NOT NULL,
    type_of_employment character varying(16) NOT NULL,
    working_hours numeric(2,0) DEFAULT 0 NOT NULL,
    requirements character varying(1024),
    address_id bigint NOT NULL,
    start_of_work date,
    end_of_work date,
    contact_person_id bigint NOT NULL,
    job_description character varying(1024),
    salary integer,
    job_title character varying(64) NOT NULL,
    advertisement_id bigint DEFAULT nextval('collhbrs.col_seq_advertisement_id'::regclass)
NOT NULL
);


ALTER TABLE collhbrs.col_tab_job_advertisement OWNER TO houde2s;

--
-- Name: col_tab_message; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_message (
    message_id bigint DEFAULT nextval('collhbrs.col_seq_message_id'::regclass) NOT
NULL,
    sender_id bigint NOT NULL,
    recipient_id bigint NOT NULL,
    content character varying(512) NOT NULL,
    subject character varying(64) NOT NULL,
    date date NOT NULL,
    read boolean DEFAULT false NOT NULL
);


ALTER TABLE collhbrs.col_tab_message OWNER TO houde2s;

--
-- Name: col_tab_settings; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_settings (
    user_id bigint NOT NULL,
    notification_is_enabled boolean NOT NULL
```

```
);


ALTER TABLE collhbrs.col_tab_settings OWNER TO houde2s;


--
-- Name: col_tab_student; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_student (
    student_description character varying(2048),
    website character varying(64),
    graduation character varying(64),
    skills character varying(1024),
    interests character varying(512),
    user_id bigint NOT NULL,
    subject_field character varying(64)
);


ALTER TABLE collhbrs.col_tab_student OWNER TO houde2s;


--
-- Name: col_tab_user; Type: TABLE; Schema: collhbrs; Owner: houde2s
--

CREATE TABLE collhbrs.col_tab_user (
    user_id bigint DEFAULT nextval('collhbrs.col_seq_user_id'::regclass) NOT NULL,
    first_name character varying(32) NOT NULL,
    last_name character varying(32) NOT NULL,
    address_id bigint NOT NULL,
    date_of_birth date NOT NULL,
    password character varying(255) NOT NULL,
    phone_number character varying(12) NOT NULL,
    salutation character varying(10) NOT NULL,
    title character varying(16) NOT NULL,
    mail_address character varying(64) NOT NULL,
    type character varying(2)
);


ALTER TABLE collhbrs.col_tab_user OWNER TO houde2s;


--
-- Name: col_tab_address col_pk_address_id; Type: CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--
```

```
ALTER TABLE ONLY collhbrs.col_tab_address
    ADD CONSTRAINT col_pk_address_id PRIMARY KEY (address_id);



--
-- Name: col_tab_job_advertisement col_pk_advertisement_id; Type: CONSTRAINT;
Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_job_advertisement
    ADD CONSTRAINT col_pk_advertisement_id PRIMARY KEY (advertisement_id);



--
-- Name: col_tab_application col_pk_application_id; Type: CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_application
    ADD CONSTRAINT col_pk_application_id PRIMARY KEY (application_id);



--
-- Name: col_tab_company col_pk_company_id; Type: CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_company
    ADD CONSTRAINT col_pk_company_id PRIMARY KEY (company_id);



--
-- Name: col_tab_contact_person col_pk_cp_user_id; Type: CONSTRAINT; Schema:
collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_contact_person
    ADD CONSTRAINT col_pk_cp_user_id PRIMARY KEY (user_id);



--
-- Name: col_tab_message col_pk_message_id; Type: CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_message
    ADD CONSTRAINT col_pk_message_id PRIMARY KEY (message_id);
```

```sql
--
-- Name: col_tab_student col_pk_s_user_id; Type: CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_student
    ADD CONSTRAINT col_pk_s_user_id PRIMARY KEY (user_id);


--
-- Name: col_tab_settings col_pk_se_user_id; Type: CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_settings
    ADD CONSTRAINT col_pk_se_user_id PRIMARY KEY (user_id);


--
-- Name: col_tab_user col_pk_u_user_id; Type: CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_user
    ADD CONSTRAINT col_pk_u_user_id PRIMARY KEY (user_id);


--
-- Name: col_tab_application col_fk_a_advertisement_id; Type: FK CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_application
    ADD CONSTRAINT col_fk_a_advertisement_id FOREIGN KEY (advertisement_id) REFERENCES collhbrs.col_tab_job_advertisement(advertisement_id);


--
-- Name: col_tab_application col_fk_a_user_id; Type: FK CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_application
    ADD CONSTRAINT col_fk_a_user_id FOREIGN KEY (user_id) REFERENCES collhbrs.col_tab_student(user_id);
```

```
--
-- Name: col_tab_company col_fk_c_address_id; Type: FK CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_company
    ADD CONSTRAINT col_fk_c_address_id FOREIGN KEY (address_id) REFERENCES collhbrs.col_tab_address(address_id);


--
-- Name: col_tab_job_advertisement col_fk_contact_person_id; Type: FK CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_job_advertisement
    ADD CONSTRAINT col_fk_contact_person_id FOREIGN KEY (contact_person_id) REFERENCES collhbrs.col_tab_contact_person(user_id);


--
-- Name: col_tab_contact_person col_fk_cp_company_id; Type: FK CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_contact_person
    ADD CONSTRAINT col_fk_cp_company_id FOREIGN KEY (company_id) REFERENCES collhbrs.col_tab_company(company_id);


--
-- Name: col_tab_contact_person col_fk_cp_user_id; Type: FK CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_contact_person
    ADD CONSTRAINT col_fk_cp_user_id FOREIGN KEY (user_id) REFERENCES collhbrs.col_tab_user(user_id);


--
-- Name: col_tab_job_advertisement col_fk_j_address_id; Type: FK CONSTRAINT; Schema: collhbrs; Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_job_advertisement
    ADD CONSTRAINT col_fk_j_address_id FOREIGN KEY (address_id) REFERENCES collhbrs.col_tab_address(address_id);
```

```
--
-- Name: col_tab_message col_fk_m_r_user_id; Type: FK CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_message
    ADD CONSTRAINT col_fk_m_r_user_id FOREIGN KEY (recipient_id) REFERENCES
collhbrs.col_tab_user(user_id);


--
-- Name: col_tab_message col_fk_m_s_user_id; Type: FK CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_message
    ADD CONSTRAINT col_fk_m_s_user_id FOREIGN KEY (sender_id) REFERENCES
collhbrs.col_tab_user(user_id);


--
-- Name: col_tab_student col_fk_s_user_id; Type: FK CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_student
    ADD CONSTRAINT col_fk_s_user_id FOREIGN KEY (user_id) REFERENCES
collhbrs.col_tab_user(user_id);


--
-- Name: col_tab_settings col_fk_se_user_id; Type: FK CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_settings
    ADD CONSTRAINT col_fk_se_user_id FOREIGN KEY (user_id) REFERENCES
collhbrs.col_tab_user(user_id);


--
-- Name: col_tab_user col_fk_u_address_id; Type: FK CONSTRAINT; Schema: collhbrs;
Owner: houde2s
--

ALTER TABLE ONLY collhbrs.col_tab_user
```

```
    ADD CONSTRAINT col_fk_u_address_id FOREIGN KEY (address_id) REFERENCES
collhbrs.col_tab_address(address_id);


--
-- PostgreSQL database dump complete
--
```