

Module #3 Report | CSE 310 – Applied Programming

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Project Repository Link

[Github Repository](#)

Module

Mark an **X** next to the module you completed

Module	Language
Cloud Databases	Java
Data Analysis	Kotlin
Game Framework	R
GIS Mapping	Erlang
Mobile App	JavaScript
Networking	C#
Web Apps	TypeScript
Language – C++	Rust
SQL Relational Databases	Choose Your Own Adventure

Fill Out the Checklist

Complete the following checklist to make sure you completed all parts of the module. Mark your response with **Yes** or **No**. If the answer is **No** then additionally describe what was preventing you from completing this step.

Question	Your Response	Comments
Did you implement the entire set of unique requirements as described in the Module Description document in I-Learn?	y	
Did you write at least 100 lines of code in your software and include useful comments?	y	

[public DB supabase](#)

- ▶ schemas

```
-- Private schema

CREATE TABLE private_schema.model (
    model_id uuid NOT NULL DEFAULT gen_random_uuid(),
    last_release date NOT NULL,
    version text NOT NULL,
    algorithm_used text,
    n_estimators integer,
    max_depth integer,
    random_state integer,
    original_distribution jsonb,
    resampled_distribution jsonb,
    xgb_accuracy numeric,
    xgb_precision numeric,
    xgb_recall numeric,
    xgb_f1_score numeric,
    target text,
    created_at timestamp with time zone DEFAULT now(),
    CONSTRAINT model_pkey PRIMARY KEY (model_id)
);

CREATE TABLE private_schema.user_priv (
    user_id uuid NOT NULL DEFAULT gen_random_uuid(),
    password text NOT NULL,
    date_of_birth date NOT NULL,
    email text NOT NULL UNIQUE,
    created_at timestamp with time zone DEFAULT now(),
    CONSTRAINT user_priv_pkey PRIMARY KEY (user_id)
);

-- Public schema

CREATE TABLE public.report (
    reportid text NOT NULL,
    model-used text,
    version bigint,
    creation-date date,
    start-up-id text,
    report_url text,
    CONSTRAINT report_pkey PRIMARY KEY (reportid),
    CONSTRAINT report_start-up-id_fkey FOREIGN KEY (start-up-id) REFERENCES
public.start-up(start-up-id)
);

CREATE TABLE public.start-up (
    start-up-id text NOT NULL,
    startup_name text,
    founded_year text,
    country text,
    region text,
    industry text,
```

```

funding_round text,
funding_amount_usd numeric,
funding_date date,
lead_investor text,
co_investors text,
employee_count bigint,
estimated_revenue_usd numeric,
estimated_valuation_usd numeric,
exited text,
exit_type text,
tags text,
CONSTRAINT start-up_pkey PRIMARY KEY (start-up-id)
);

CREATE TABLE public.user (
  user-id bigint NOT NULL,
  uname text,
  lname text,
  reportid text,
  CONSTRAINT user_pkey PRIMARY KEY (user-id),
  CONSTRAINT user_reportid_fkey FOREIGN KEY (reportid) REFERENCES
public.report(reportid)
);

```

|Did you use the correct README.md template from the Module Description document in I-Learn? |Y| |Did you completely populate the README.md template? |Y| |Did you create the video, publish it on YouTube, and reference it in the README.md file? |Y| |Did you publish the code with the README.md (in the top-level folder) into a public GitHub repository? |Y| |

Did you complete a Stretch Challenge

If you completed a stretch challenge, describe what you completed.

Record your time

How many hours did you spend on this module and the team project this Sprint?

Include all time including planning, researching, implementation, troubleshooting, documentation, video production, and publishing.

Hours	
Individual Module	6
Team Project	6

Retrospective

- What learning strategies worked well in this module?

it is better to draft your database, functionalities, etc before to start coding it.

- What strategies (or lack of strategy) did not work well?

for this module everything works well

- How can you improve in the next module?

the next module will be more difficult, I'll be building some functionalities for the web/app, so I will need to start earlier than this module

[You Tube video](#)