Project Report

CST2120 – Coursework 3

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1. Introduction

The goal of this project is to serve public indexed information in a simple and honest manner.

2. Project Description

2.1 Design

**Design purpose**: Simple page to serve online academic publications in pdf format.

**Design:**

app.js - main, connect to database and serve papers to the page

public - files :: pdf papers; stylesheets :: css sheet

views - ejs files (index, partials/header, partials/footer)

**Db:**

admin - papers\_setup :: compress/decompress and setup papers to the correct folders; crud\_db :: insert, delete, update and select from database menu (bash); admin\_db :: admin database management controls

database - bash scripts manage and configure database

**Dev:**

admin - notes :: Linux commands, GNU utilities and database commands; tests :: frontend and backend tests, backend use run-test script to test or reset database

2.2 Implementation

**Back-end features**

Database automation.

Test and run database functionality with CLI bash scripts running shell and GNU utilities.

Load pdf plus csv file with information as described in contributing/template with a simple bash script into the database with a few keystrokes.

Run-test tests database functionality with a bash script.

Compress and decompress pdf for portability using 7z.

**Front-end interaction**

Single page using EJS

Table of contents - papers in pdf format open in browser or download

About - about project

GitHub - link to the project

3. References

- <https://github.com/>

- online lectures/labs

- Q&A sessions

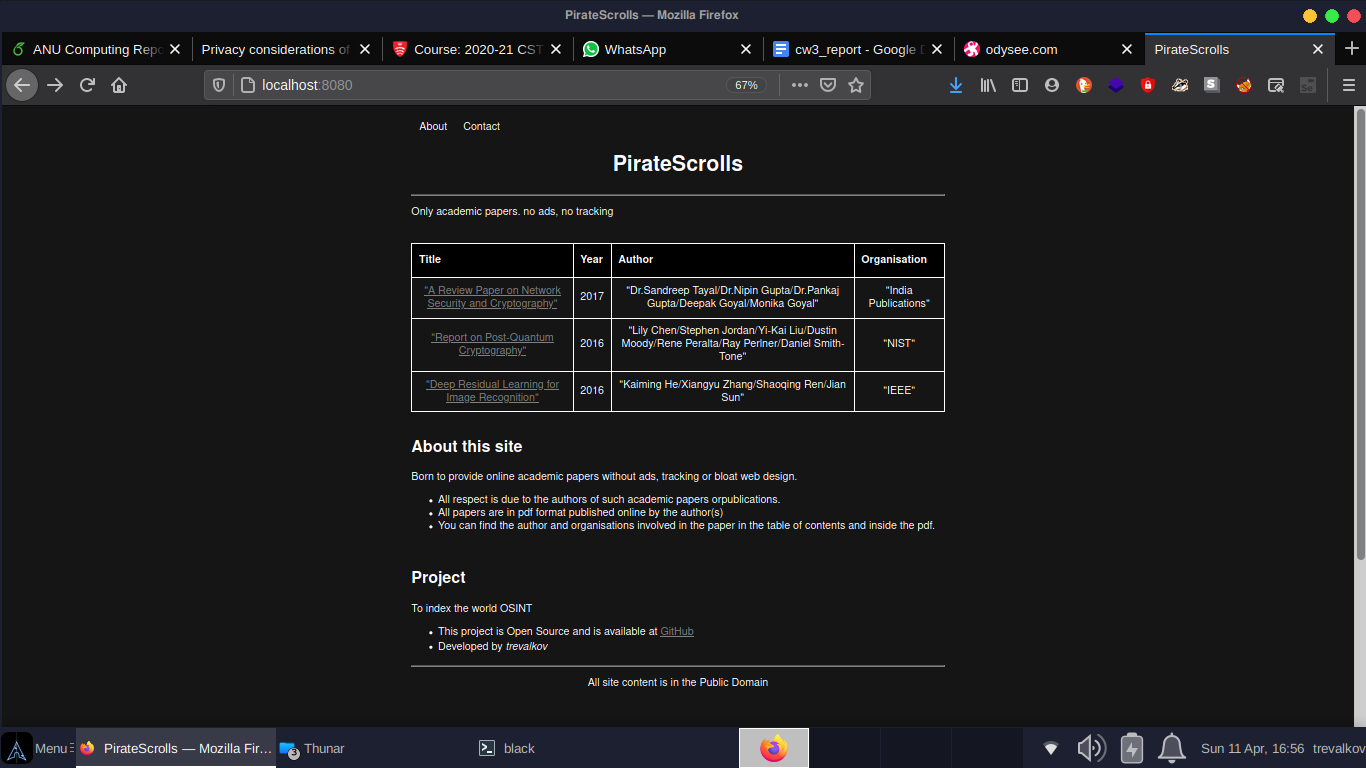
- <https://www.youtube.com/>

-<https://odysee.com/>

- “Privacy Considerations of Online Behavioural Tracking” [ENISA, 2012]

4. Screenshots

**Landing**

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