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CO 550 Web Applications

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Project Outlines

Bus Timetables Portal

# Project outlines

## Enterprise Model

## Business Goals

## Functional Requirements

* Enable users to login and register
  + Normal (unprivileged users) can register anytime
  + Privileged users must be added by admin
* Enable users and visitors to see bus timetables
* Enable registered users to save their favourite routes
  + Requires personal dashboard
* Allow admins and authorised staff to change timetables and rotas
  + Create bus lines and routes
  + Allocate staff to lines
  + Make sure the staff are working the hours they were contracted for
  + Make sure no driver is assigned to two routes at the same time
* Allow staff to see their rota
  + Staff assigned to particular routes
  + Staff dashboard allows to print weekly rota as pdf
* The users should be able to search routes (search for terms [town names and bus stop names] and find the routes that go through the terms the user has input)

## Outline of the project

# Diagrams and schematics

## Entity Relationship Diagrams

## UML Class Diagrams

## Interface Prototypes