Atomic Modules – Group 8

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ABSTRACT

TITLE:

Atomic Modules

INTRODUCTION:

The problem, the ideas, the solution.

TECHNOLOGY:

Front-end, back-end and hosting & collaboration.

DATASETS:

University Open Data Service, Open Street Map, MOOC Open Data.

BUSINESS MODELS:

Freemium, Subscription, Advertisements.

PRODUCT:

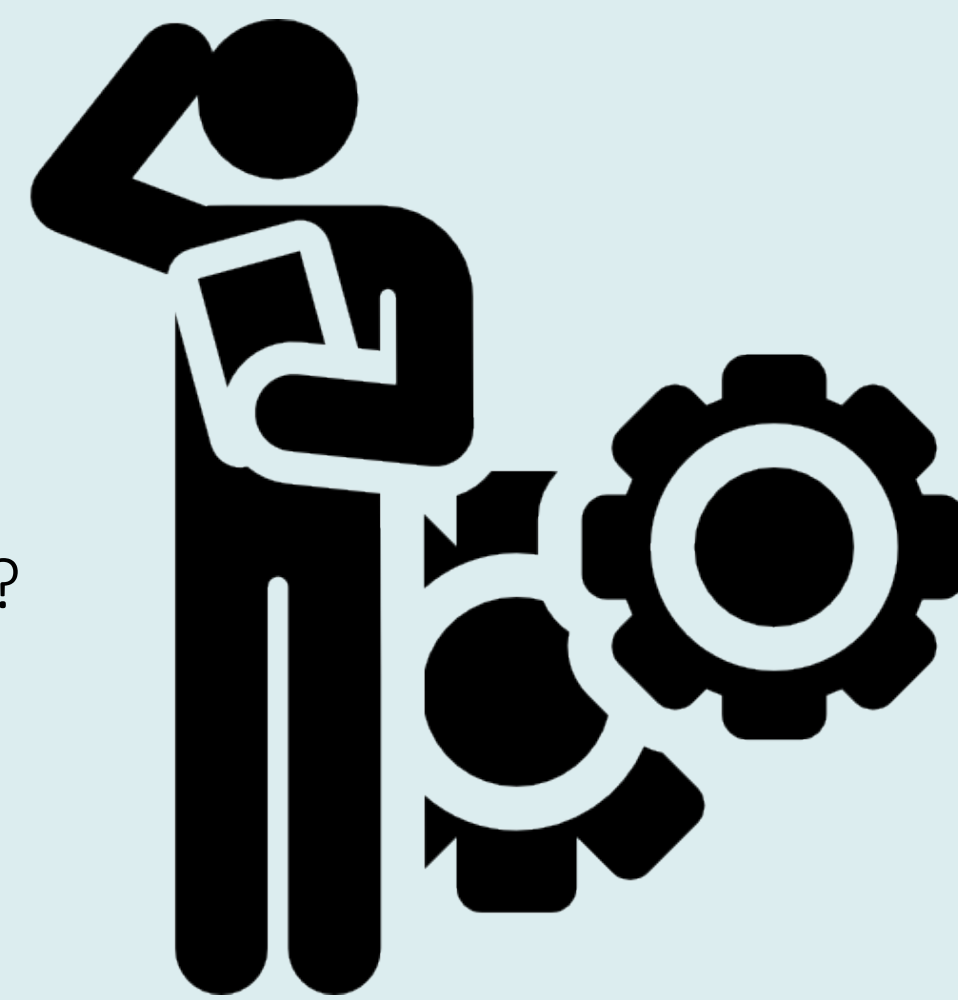Demonstration of app functionality.

INTRODUCTION

THE PROBLEM

Students

➤ Which module to take?
➤ What do students think of the modules?

Recruiters

➤ Where to find the right students?
➤ Who is the right students to hire?

THE IDEAS

IMDB

➤ Decide which movie to watch.
➤ Check the ratings of movies.
➤ Check what other people think of the movies?

THE SOLUTION

Students

➤ Rate modules.
➤ Give feedback about modules.
➤ Share notes with other students.
➤ Choose the right modules.

Recruiters

➤ Find students with the right skills.
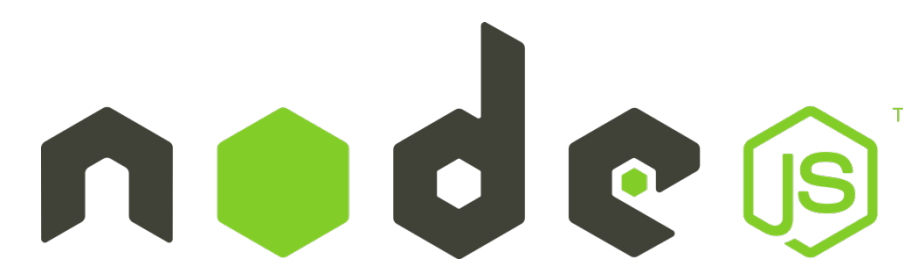➤ Decide which students to hire.

TECHNOLOGY

FRONT-END

➤ cross-platform framework for mobile applications

➤ front-end framework developed by Google

BACK-END

➤ allows running JavaScript on server side, huge community and resources available

➤ schema-less NoSQL database

➤ RESTful API for data exchange between app and server

HOSTING & COLLABORATION

➤ platform as a service provider
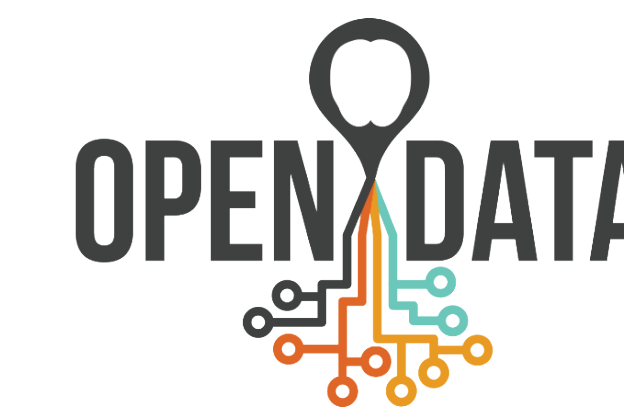
➤ continuous integration, scalability and security

➤ version control system and collaboration tools

DATASETS

UNI OPEN DATA SERVICE

➤ Modules data open for anyone.
➤ Module description

OPEN STREET MAP

➤ Free source of mapping data
➤ Crowdsourced, anyone can contribute
➤ Can be styled to match app design

MOOC OPEN DATA

BUSINESS MODELS

FREEMIUM

➤ Free service
  ➤ Our basic service will be offered to students for free.
➤ Crowdsourcing
  ➤ Students give their feedback and rate the modules.
➤ Reliable
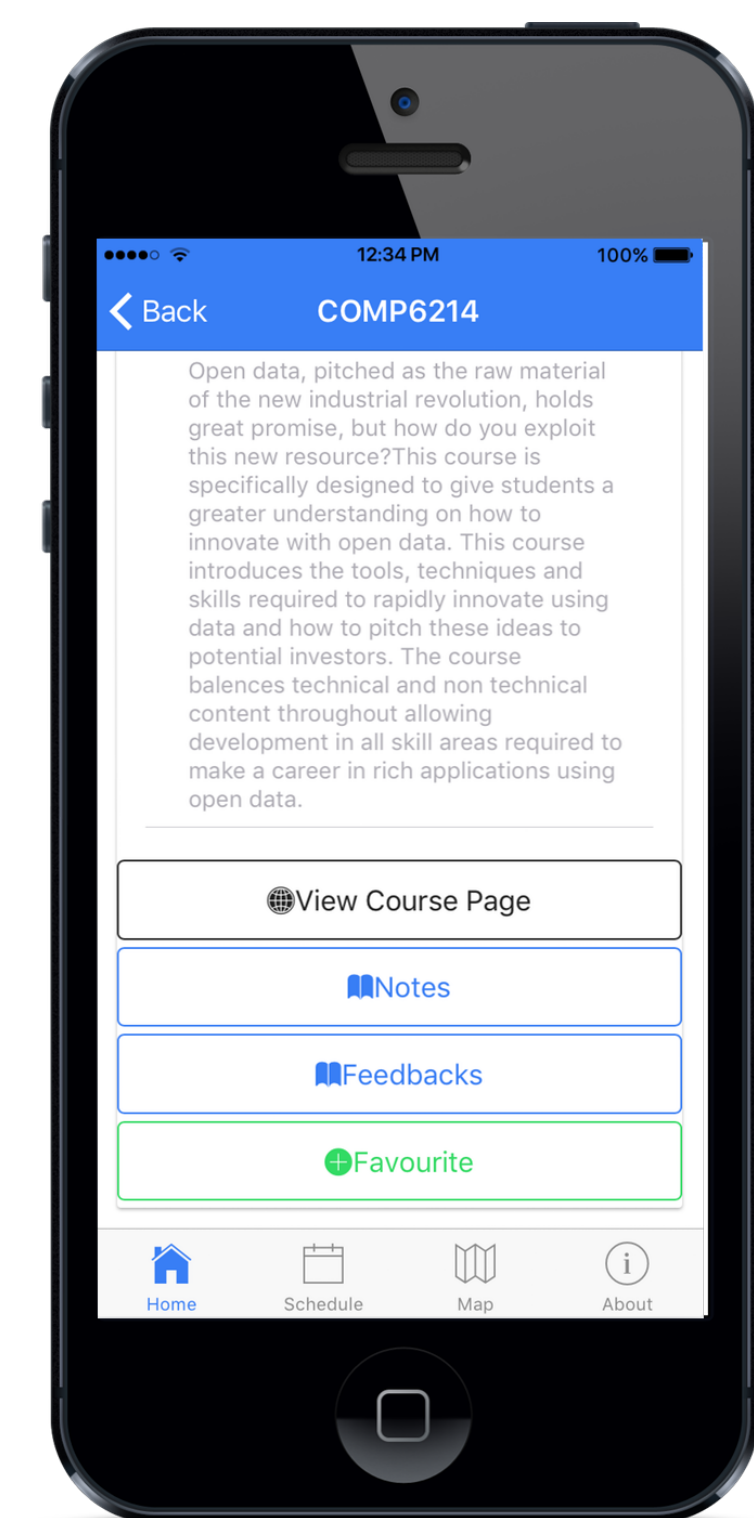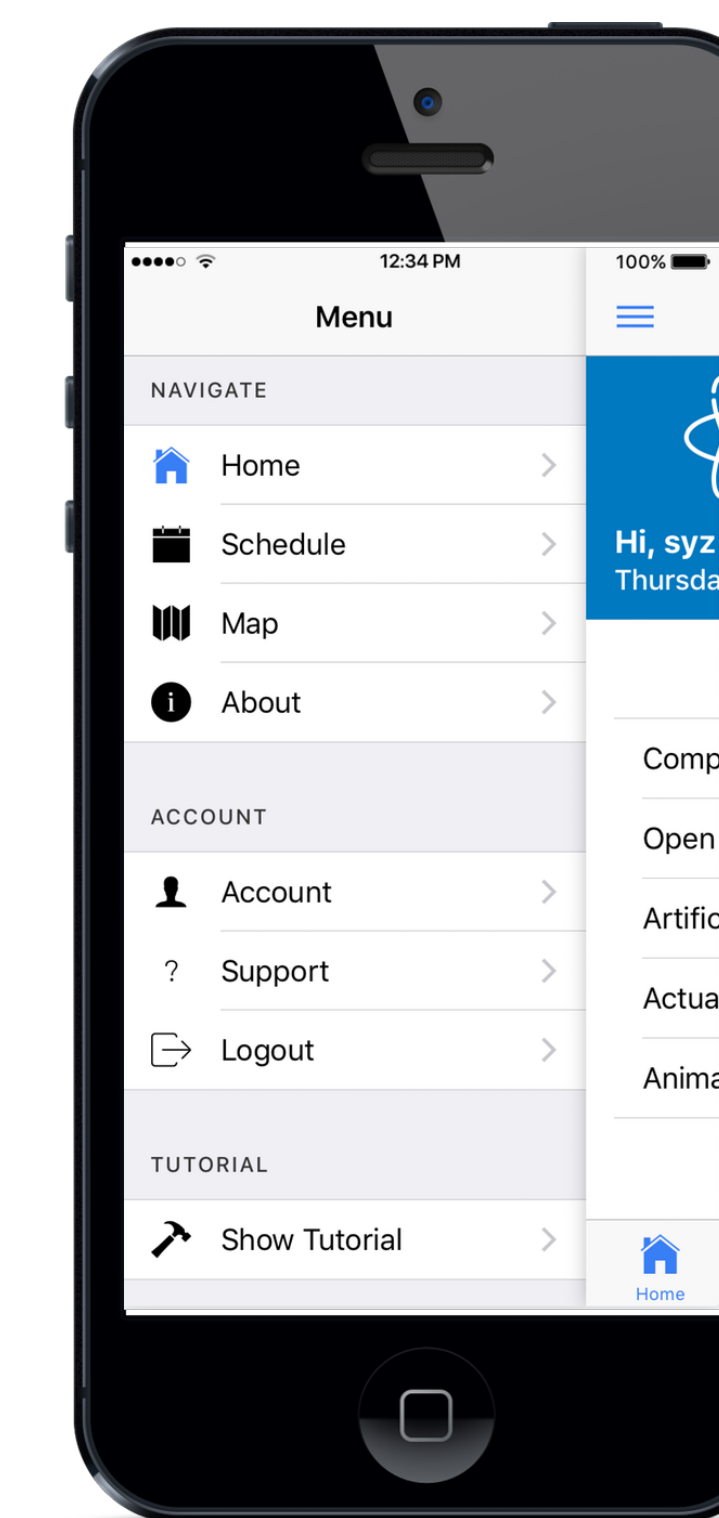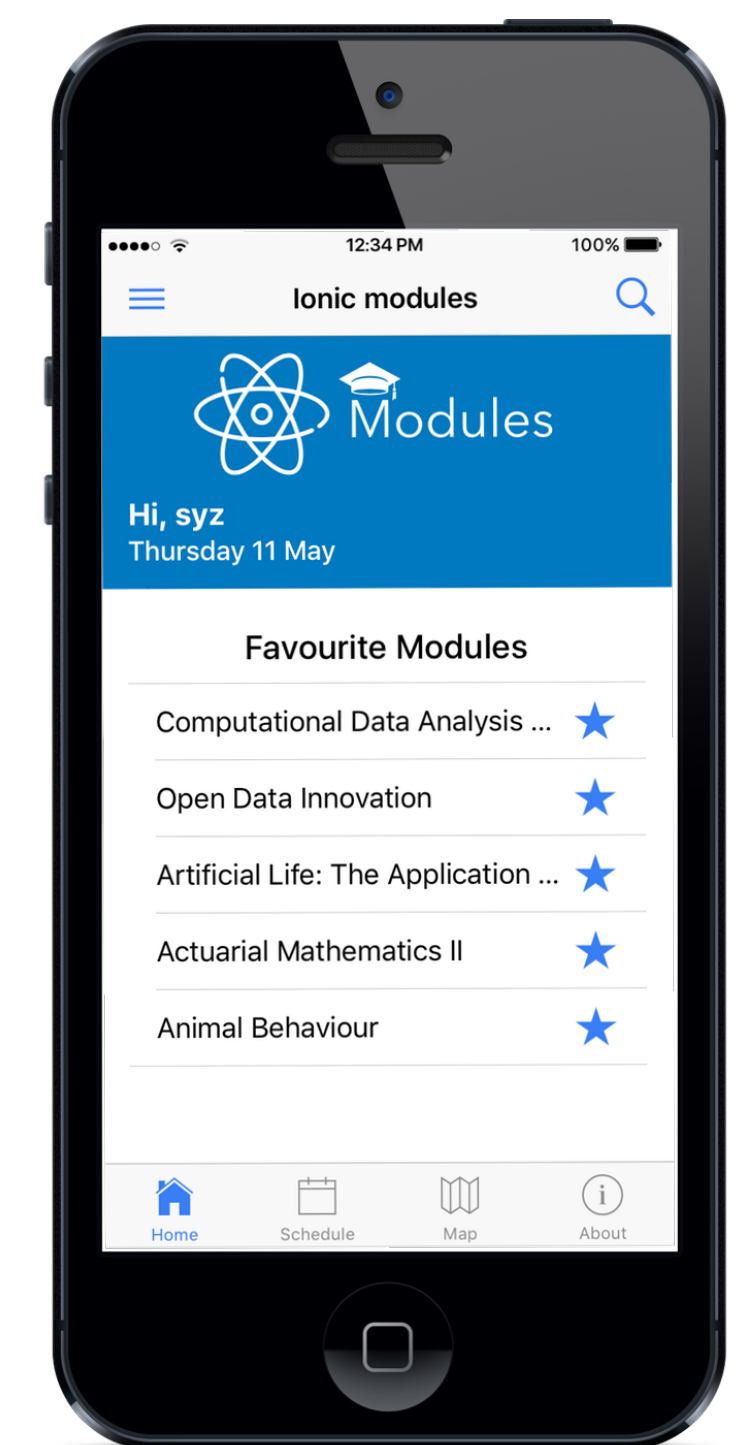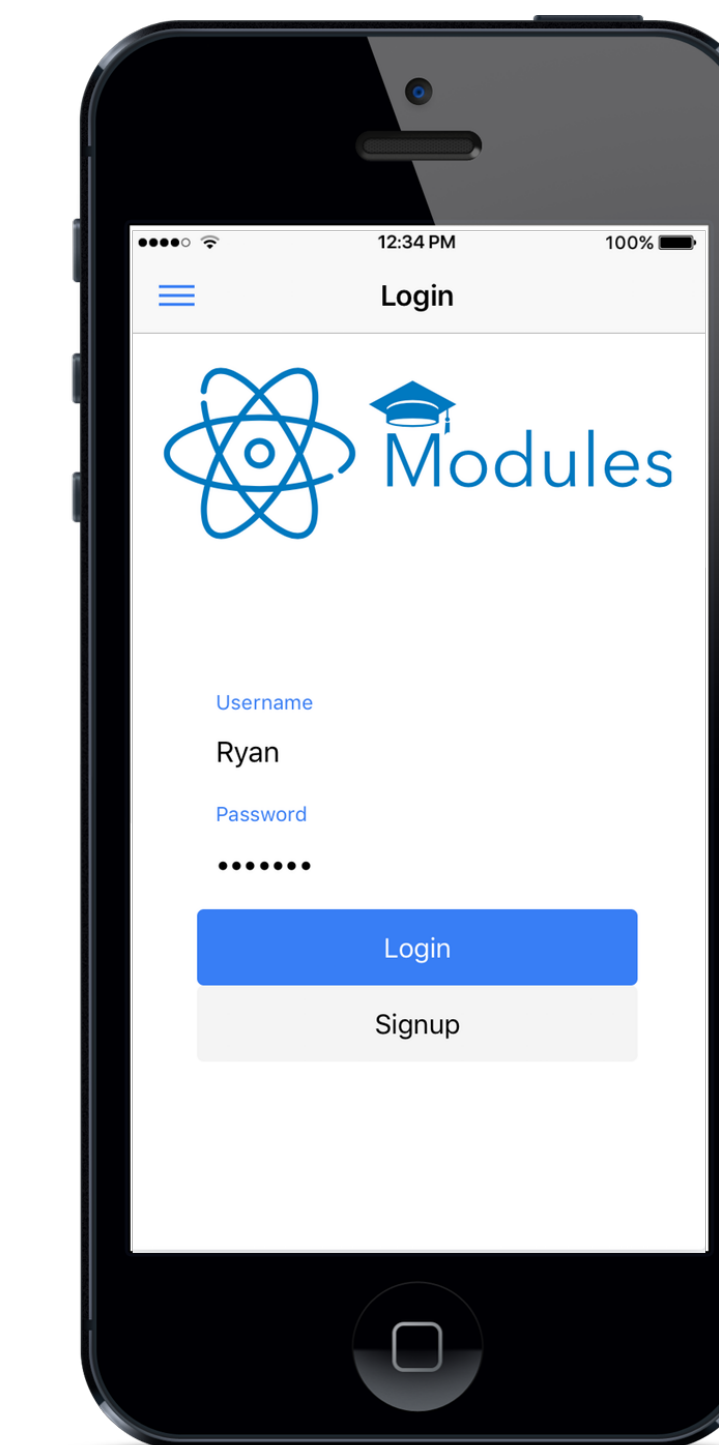 ➤ Ratings and feedback are authentic and reliable.

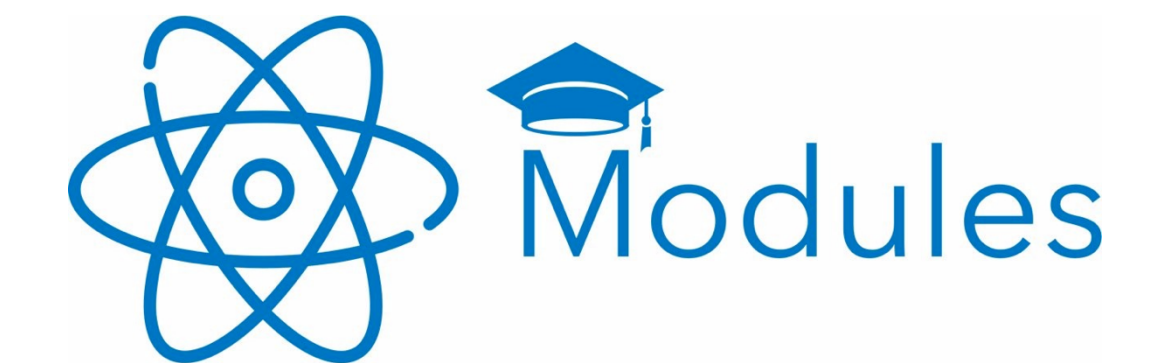**SUBSCRIPTION**

➤ Agencies pay for access
  ➤ Allows them to target top students in desired field
➤ Affiliate scheme
  ➤ Portion of earning when referring a student to 3rd party courses

ADVERTISING

➤ Jobs
  ➤ Display company job ads to find the right students.
➤ Restaurant
  ➤ Help restaurants around University to send coupons to students.
➤ Renting
  ➤ Help landlord to find students who need house.

PRODUCT

CONCLUSIONS

➤ Identification of the problem and suggestion of a unique solution

➤ Usage of up-to-date technologies to turn the solution into reality

➤ Usage of multiple datasets in a modern product that works cross-platform