EzTalk
OER Feeding Tool

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An OER feeding tool for refugees to learn engineering knowledge and language as well as its culture background

Problems We Are Facing

o Since 2015, Europe has received a large influx of refugees
o Refugees cannot integrated into the local society --- 2 reasons

- Culture background differences
- Lack of skills

o Result – Social Instability

- Job finding problems
- Education level

We identified two major barriers preventing them from learning the language
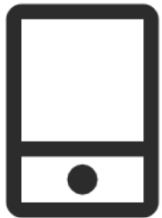o Lacking of education materials
o Isolation of community.

Proposed Solution

○ In order to solve the problems we stated above, we decided to develop a website PWA app called **EzTalk**, which is an app for knowledge learning and socializing.

○ Key Features:

- Provide OERs related to language & Engineering knowledge
- Provide personalized recommendation of materials to each user
- Customized translation
- Chatroom for people to connect and share the knowledge
- Friend relationships

Technologies

Users

EzTalk
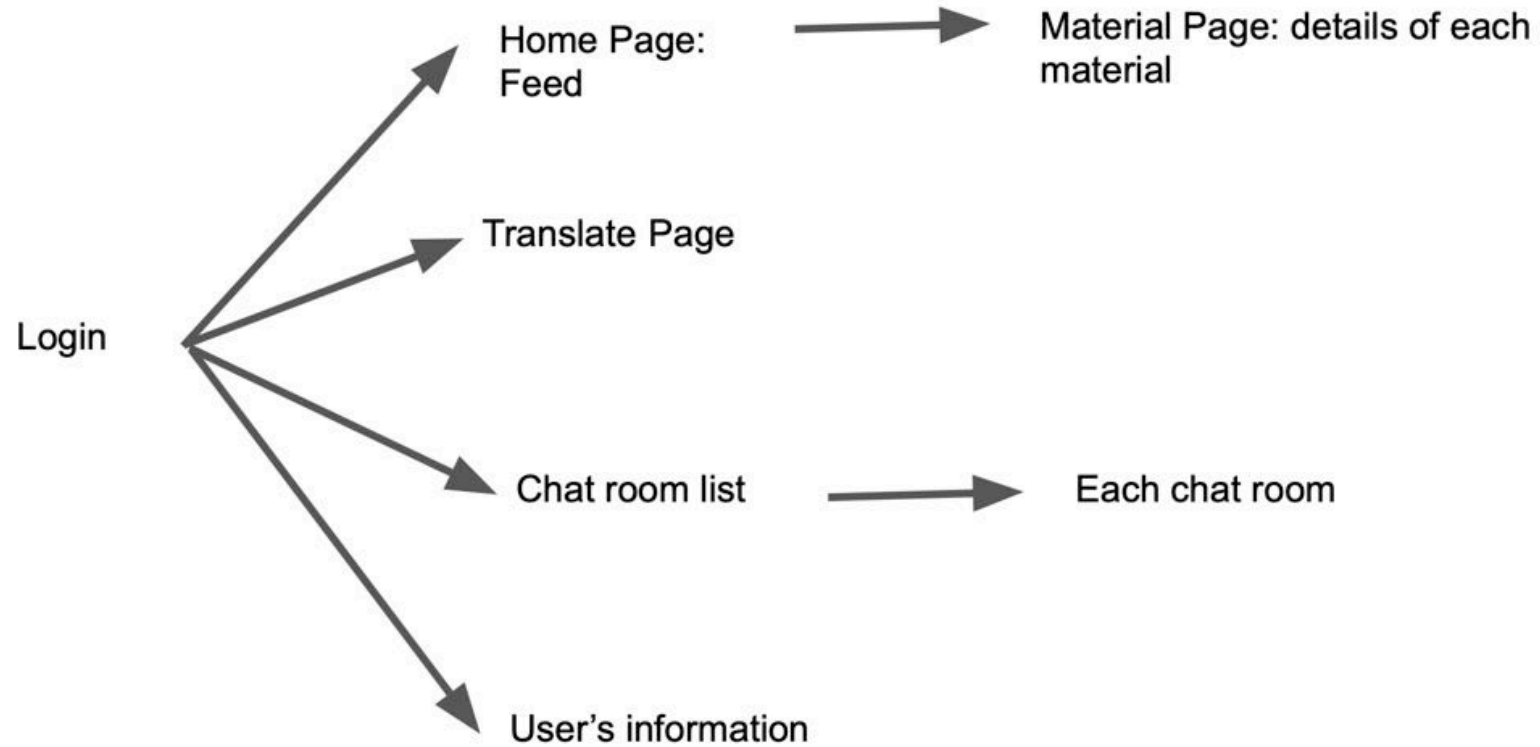
React front-end
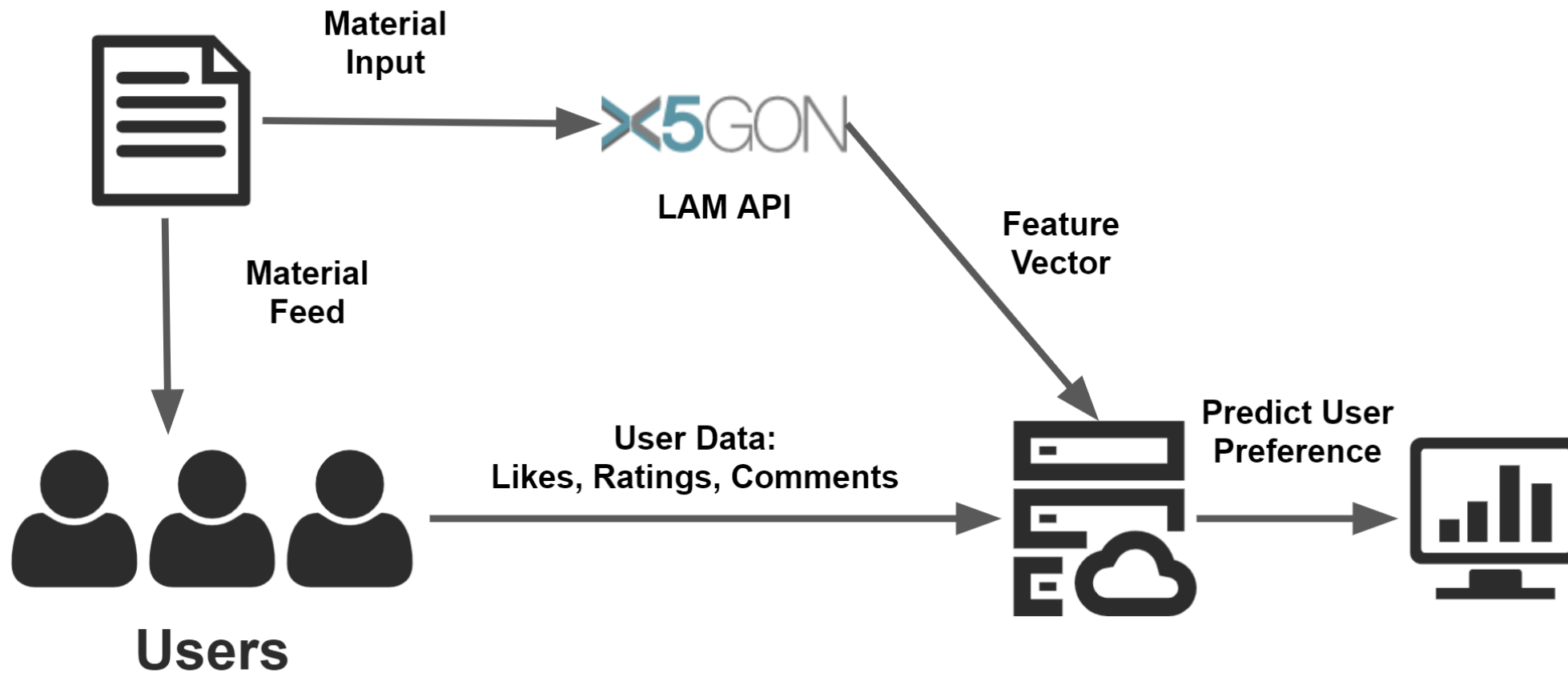
Java Spring back-end
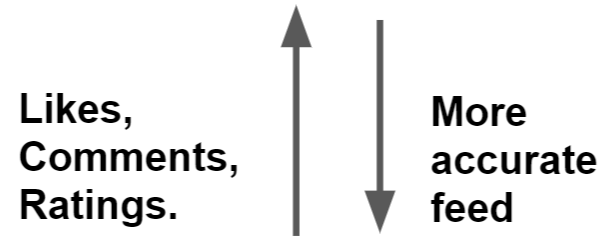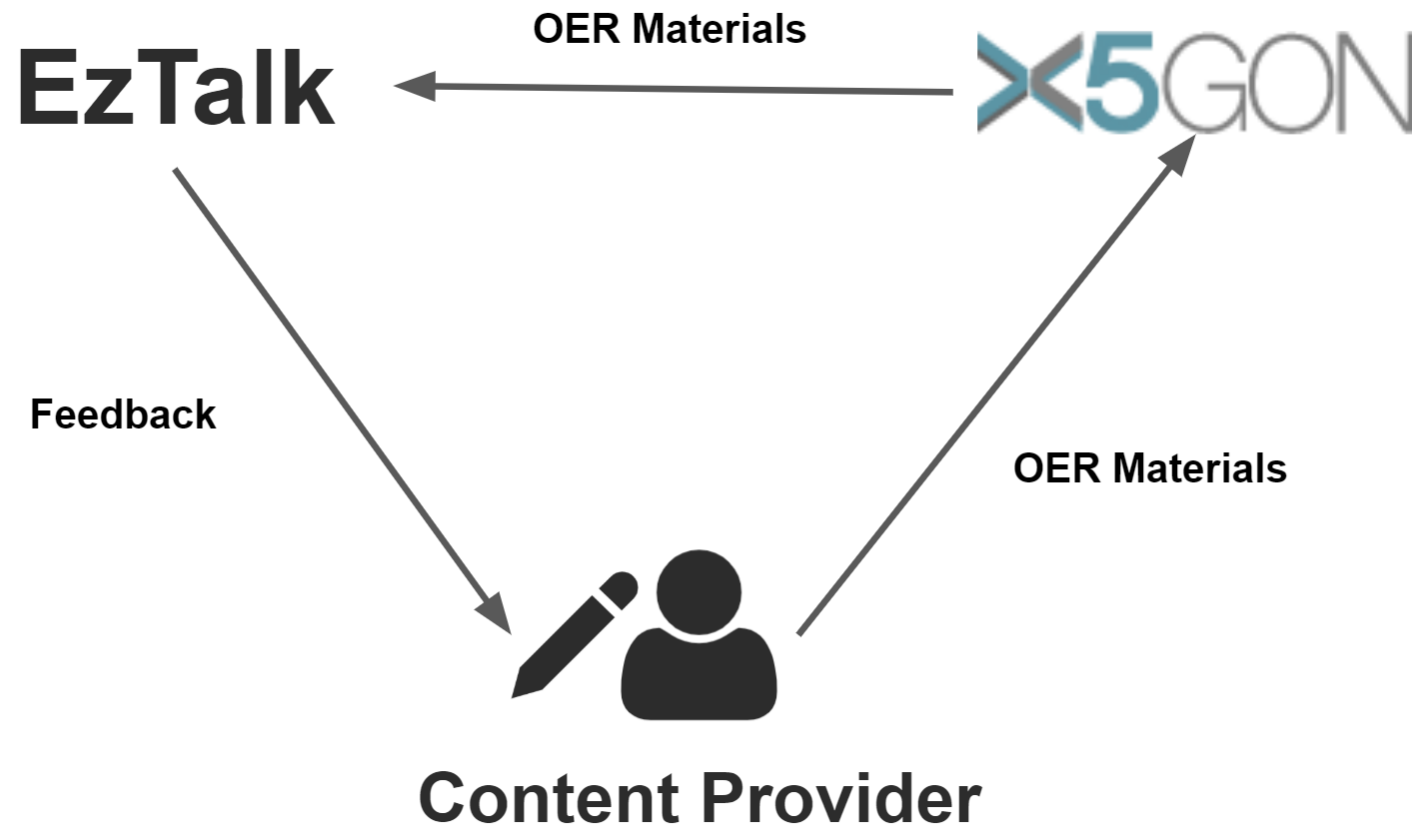
MySQL Database

IBM **Cloud**

X5GON

App Overview

Login →
- Home Page: Feed → Material Page: details of each material
- Translate Page
- Chat room list → Each chat room
- User's information

Algorithm

Material
Input

LAM API

Feature
Vector

Material
Feed

User Data:
Likes, Ratings, Comments

Predict User
Preference

Users

Algorithm: User Perspective

EzTalk

Likes,
Comments,
Ratings.

More
accurate
feed

Users

Algorithm: Context Provider Perspective

Online Demo