

Analysis

Online Content Publication Platform

Content Writers

Content readers

① User

1.1 sign up

logged in

1.2 publish

email address (unique) email verification?

password → hashing? secure?

name → full
name → description (word count?)
name → country
image → show off S3

② Content → Title

Summary details

Published date

Comments

Last updated date ?

Category → ML/AI

Big Data

Micro Services

③ Reader → Subscribed to category

→ Notified about published content

→ 20 contents per page

④ Publisher

CRUD

* → complicated

Tables → postgres

- ① users → id (pk)
email address (unique)
password (hash)
full name
description (blob / big text)
country-id (fk)
link to profile pic
- many to one
- ② country-details → id (unique, int)
name
- ③ Article → id (pk)
title
summary details
published-date
last-updated-date
category → multiple ? *
- one to many
- ④ Comments → id (pk)
comment
user-id
parent-comment-id ? * do we need replies to comments
- many to many
- ⑤ categories → id (pk)
category

Component Diagram







