

Product Roulette 1.0

- Three tables: Users, Products, Feedback.
- Structure for Users:

Column **id** is uuid.

Column **persona** is the role/team the user is working for currently. For e.g. Engineering, Marketing, HR, etc.

Column **username** is username of the user.

Column **password** is the password of the user.

Columns **created_at** and **updated_at** are timestamps.

users

id	persona	username	password	created_at	updated_at
<u>Untitled</u>				@Jul 30, 2019 1:14 AM	@Jul 30, 2019 1:14 AM
<u>Untitled</u>				@Jul 30, 2019 1:14 AM	@Jul 30, 2019 1:14 AM
<u>Untitled</u>				@Jul 30, 2019 1:14 AM	@Jul 30, 2019 1:14 AM
<u>Untitled</u>				@Jul 30, 2019 1:18 AM	@Jul 30, 2019 1:18 AM

- Structure for Products:

Column **id** is a uuid.

Column **product_name** is the name of product.

Columns **created_at** and **updated_at** are timestamps.

products

id	product_name	created_at	updated_at
<u>Untitled</u>		@Jul 30, 2019 1:18 AM	@Jul 30, 2019 1:18 AM
<u>Untitled</u>		@Jul 30, 2019 1:18 AM	@Jul 30, 2019 1:18 AM
<u>Untitled</u>		@Jul 30, 2019 1:18 AM	@Jul 30, 2019 1:18 AM
<u>Untitled</u>		@Jul 30, 2019 1:18 AM	@Jul 30, 2019 1:18 AM

- Structure for Feedbacks:

Column **id** is a uuid.

Column **product_id** represents product_id of the product.

Column **user_id** represents user_id of the user.

Column **feedback** is a comment type field and can be left blank.

Column **rating** is a rating from 1 to 5 with 5 being excellent.

Columns **created_at** and **updated_at** are timestamps.

feedbacks

id	product_id	user_id	feedback	rating	created_at	updated_at
<u>Untitled</u>					@Jul 30, 2019 1:26 AM	@Jul 30, 2019 1:34 AM
<u>Untitled</u>					@Jul 30, 2019 1:26 AM	@Jul 30, 2019 1:26 AM
<u>Untitled</u>					@Jul 30, 2019 1:26 AM	@Jul 30, 2019 1:26 AM
<u>Untitled</u>					@Jul 30, 2019 1:26 AM	@Jul 30, 2019 1:26 AM

For a new user whose role is defined, suggested product can be shown with help of:

```
select product_name as product, sum(rating)/count(rating) as avg_rating
from products p
inner join feedbacks fb
on fb.product_id = p.id
where fb.user_id in (select u.id from users u where persona = 'marketing')
group by 1
order by 2 desc
```