SCIENTIFIC SOCIAL NETWORK

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SCIENTIST'S FACEBOOK

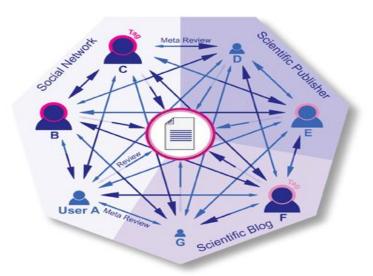
- Scientists may send any post about their research
- Scientists may follow or comment others' posts
- Scientists may search users and posts by keywords
- Other features

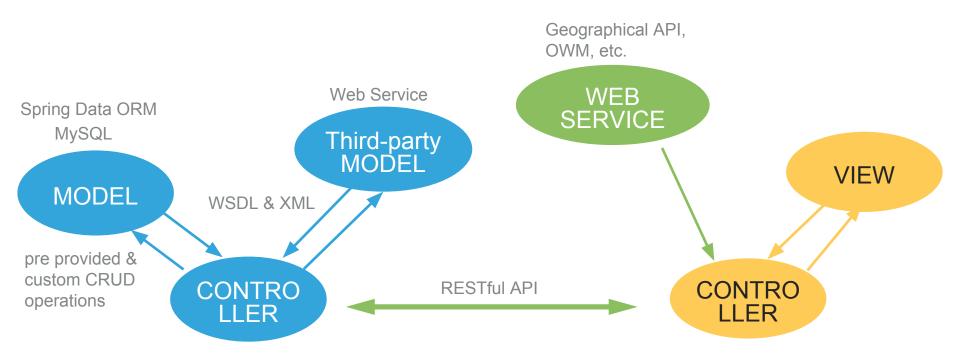
SCIENTIST'S FACEBOOK

- Apache project for scientists to socialize and communicate about latest research development or discovery
- Technology stack:
 - front-end: HTML, CSS (bootstrap), JavaScript (jQuery)
 - back-end: Java, MySQL, Scala
 - framework: play!

WHY ANOTHER SOCIAL NETWORK

- Purer environment for scientific work
- Social is central
- Development is fun

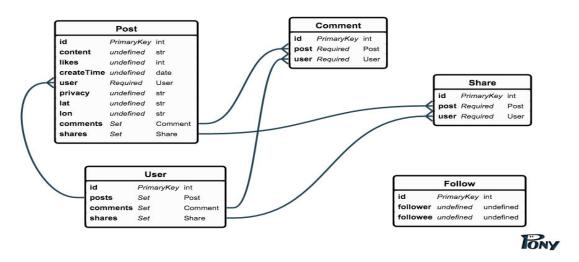




DECOUPLED EASES COOPERATION

SCHEMA AND API

43	GET	/post/user/\$id<[^/]+>
44	GET	/post/new
45	POST	/post
46	POST	/post/like
47	GET	/post/delete/\$id<[^/]+>
48	POST	/post/edit
49	GET	/post/popular
50	GET	/post/delete/user/\$id<[^/]+>
51	GET	/post/follow/\$id<[^/]+>
52	GET	/share/new
53	POST	/share
54	GET	/share/user/\$id<[^/]+>
55	GET	/share/delete/\$postId<[^/]+>
56	GET	/share/deleteAll
57	GET	/follow/new
58	POST	/follow
59	GET	/follow/user/\$id<[^/]+>
60	GET	/follow/all
61	GET	/follow/delete/\$followId<[^/]+>
62	POST	/comment
63	GET	/comment/post/\$id<[^/]+>
64	POST	/search/user/criteria
65	GET	/search/user/fuzzy/\$partial<[^/]+>
66	GET	/search/post/\$keyword<[^/]+>
67	GET	/user/autocomplete/firstname/\$query<[^/]+>
68	GET	/user/autocomplete/lastname/\$query<[^/]+>
69	GET	/user/autocomplete/email/\$query<[^/]+>
70	POST	/user/autocomplete/exact



```
SOUNDEX('Williams') === 'W452'
```

and

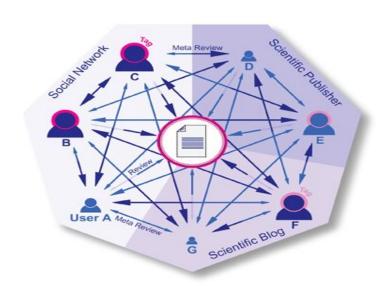
```
SOUNDEX('Wlliams') === 'W452'
```

DESIGN AND API

- API is consistent with the back-end
- Totally decouple controller/View and Models
 - Speed up development
 - Hide the backend data implementation details
 - Easier to add middleware between back-end and front-end
- Front-end serves only static resources.
- Browser front-end: bootstrap and jQuery with plugins.

DEMO

- Access control & encryption
- Friend list / mailing box
- Better searching implementation
- Posts and friends recommendation based on research interests.
- Cache in the front-end
- ► And more....



Thank you Quality A