

Building Mathhub using React

Bachelor Thesis

Johannes-Sebastian See
Supervisor: Michael Kohlhase
Co-supervisor: Tom Wiesing
Friedrich-Alexander University, Erlangen Nürnberg, Germany
November 17, 2018

Contents

1	Introduction	2
1.1	Mathhub	2
1.2	Drupal Attack	2
1.3	Building an interactive Frontend - State of the art	2
2	React	2
2.1	Core concept	2
2.2	Building new components	2
3	The Architecture of Mathhub	2
3.1	The inner Architecture	2
4	Mathhub Components	3
4.1	Libraries	3
4.2	Archives	3
4.3	Modules: Theories and Views	3
4.4	Statistics	3
5	The Applications of Mathhub	3
5.1	Glossary	3
5.2	Math Dictionary	3
6	Communication with the backend	3
7	Conclusion	3
8	Future Work	3
8.1	TGView	3
8.2	MathWebSearch	3
8.3	Subset Frontends	3
8.4	Issue report: Mathhub and content	3

1 Introduction

1.1 Mathhub

1.2 Drupal Attack

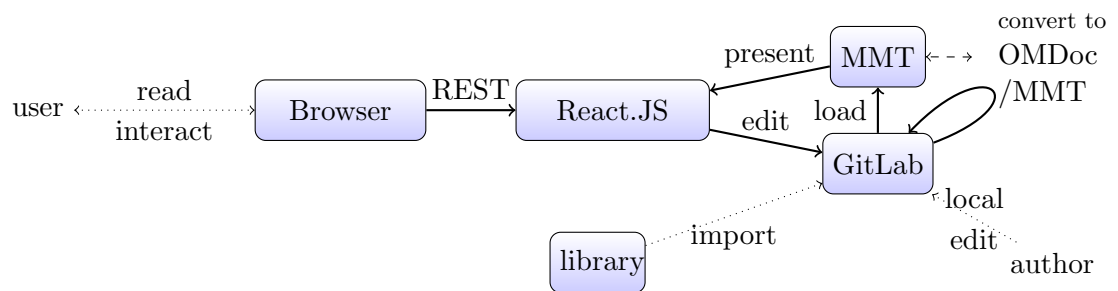
1.3 Building an interactive Frontend - State of the art

2 React

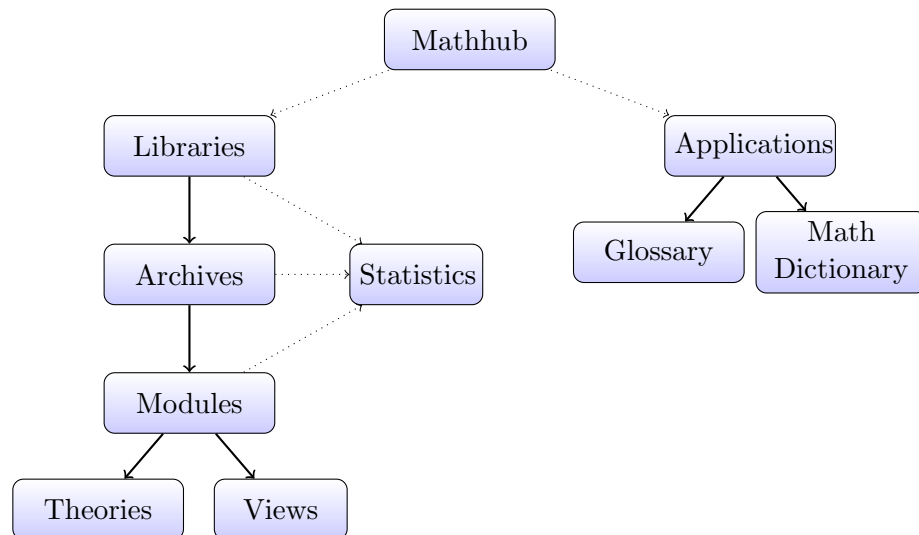
2.1 Core concept

2.2 Building new components

3 The Architecture of Mathhub



3.1 The inner Architecture



4 Mathhub Components

4.1 Libraries

4.2 Archives

4.3 Modules: Theories and Views

4.4 Statistics

5 The Applications of Mathhub

5.1 Glossary

5.2 Math Dictionary

6 Communication with the backend

7 Conclusion

Don't forget Notes ¹

EdN:1

8 Future Work

8.1 TGView

8.2 MathWebSearch

8.3 Subset Frontends

8.4 Issue report: Mathhub and content

¹EdNOTE: I am a Note