

# Entwicklung eines Studierendenportals als Progressive Web App mit Angular

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Marcel Bastian

*15.Juli 2018*

Version: My First Draft



Johannes Gutenberg-Universität Mainz

JOHANNES GUTENBERG  
UNIVERSITÄT MAINZ



Institut für Informatik



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## **Entwicklung eines Studierendenportals als Progressive Web App mit Angular**

Matrikelnr.: 2687696

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*Entwicklung eines Studierendenportals als Progressive Web App mit Angular*

Matrikelnr.: 2687696, 15.Juli 2018

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Institut für Informatik

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# Abstract

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## Abstract (different language)

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# Acknowledgement

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# Introduction

“ You can’t do better design with a computer, but  
you can speed up your work enormously.

— Wim Crouwel

(Graphic designer and typographer)

And after the second paragraph follows the third paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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## 1.1 Postcards: My Address

**Ricardo Langner**

Alfred-Schrapel-Str. 7

01307 Dresden

Germany

## 1.2 Motivation and Problem Statement

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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[5, 6, 8, 7, 1, 2, 3]

## 1.3 Results

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### 1.3.1 Some References

[@4, @9]

## 1.4 Thesis Structure

### Chapter 2

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

### Chapter 3

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## Related Work

“ *A picture is worth a thousand words. An interface is worth a thousand pictures.*

— **Ben Shneiderman**  
(Professor for Computer Science)

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### 2.1 Related Work Section 1

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## 2.2 Related Work Section 2

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## 2.4 Conclusion

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” *Innovation distinguishes between a leader and a follower.*

— **Steve Jobs**  
(CEO Apple Inc.)

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## 3.1 System Section 1

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Fig. 3.1: Figure example: (a) example part one, (c) example part two; (c) example part three

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## 3.2 System Section 2

This is the second paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the

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Fig. 3.2: Another Figure example: (a) example part one, (c) example part two; (c) example part three

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Concepts: This text is here to test a very long title, to simulate the line break behavior, to show that an extremely long title also works

” *Users do not care about what is inside the box, as long as the box does what they need done.*

— **Jef Raskin**

about Human Computer Interfaces

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## 5.3 Future Work

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## List of Tables



## Colophon

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# Declaration

I hereby declare that I have written the present thesis independently and without use of other than the indicated means. I also declare that to the best of my knowledge all passages taken from published and unpublished sources have been referenced. The paper has not been submitted for evaluation to any other examining authority nor has it been published in any form whatsoever.

*Mainz, 15.Juli 2018*

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Marcel Bastian

