

OVERVIEW



- 1. Recap
- 2. Chosen Approach
- 3. Technical Details
- 4. Prototypes
- 5. Testing
- 6. Conclusion & Future Work

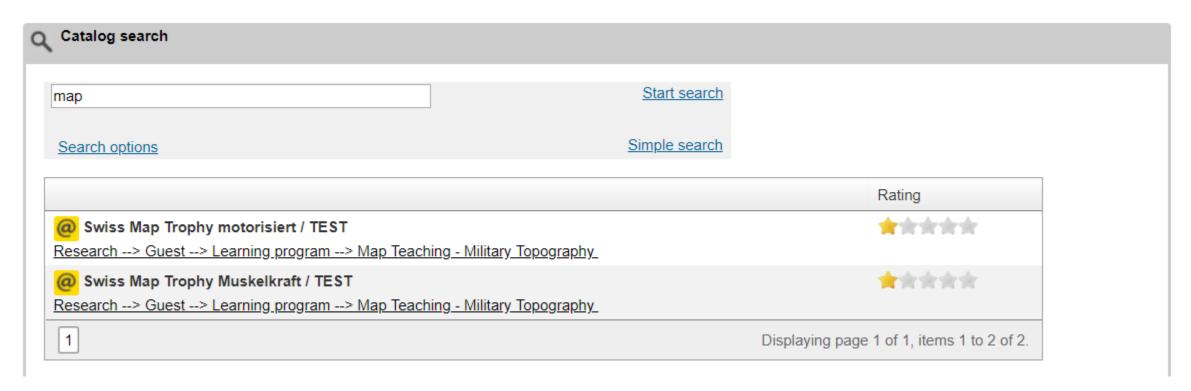
RECAP



Swissteach

Global Teach (LMS)

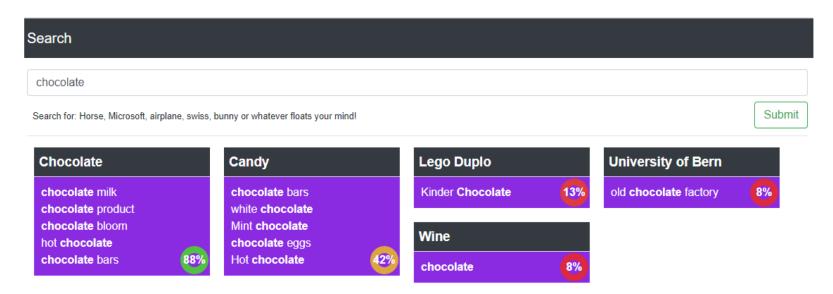
Learning Content Search:



APPROACH



- 1. Research about User Search Behavior
- 2. Implement two Prototypes
- 3. Test Prototypes with Customers Eagle and Purple Berry (Customer Data)
- 4. Improve Prototypes
- 5. Last Test to choose final Prototype



TECHNICAL DETAILS



Used Technologies

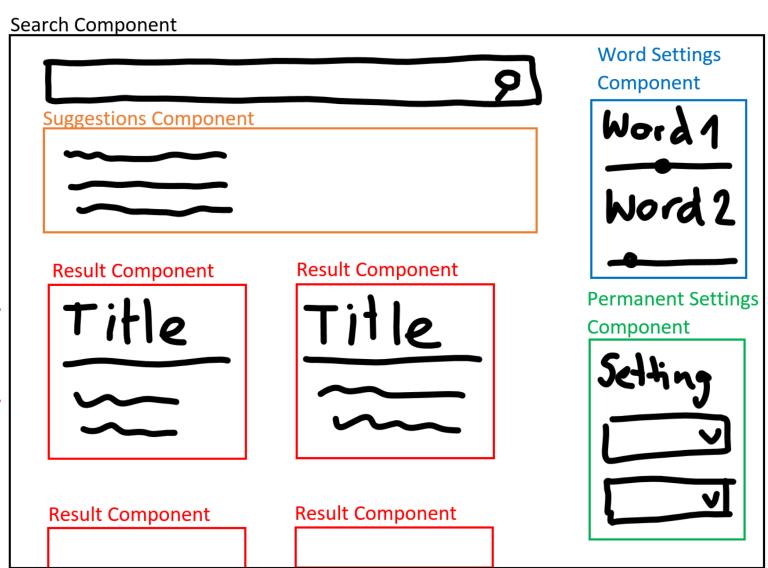
- Back-end: .NET Core with C#
- Front-end: React with Typescript
- Search Engine: Azure Search

System Structure

Azure Search
Service







PROTOTYPE ONE



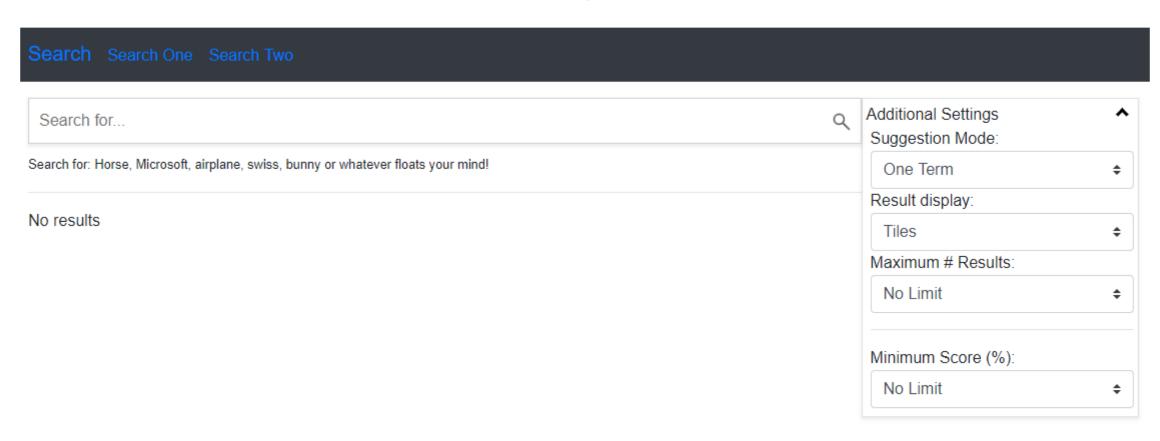
Simple, mimicking Google Search



PROTOTYPE TWO



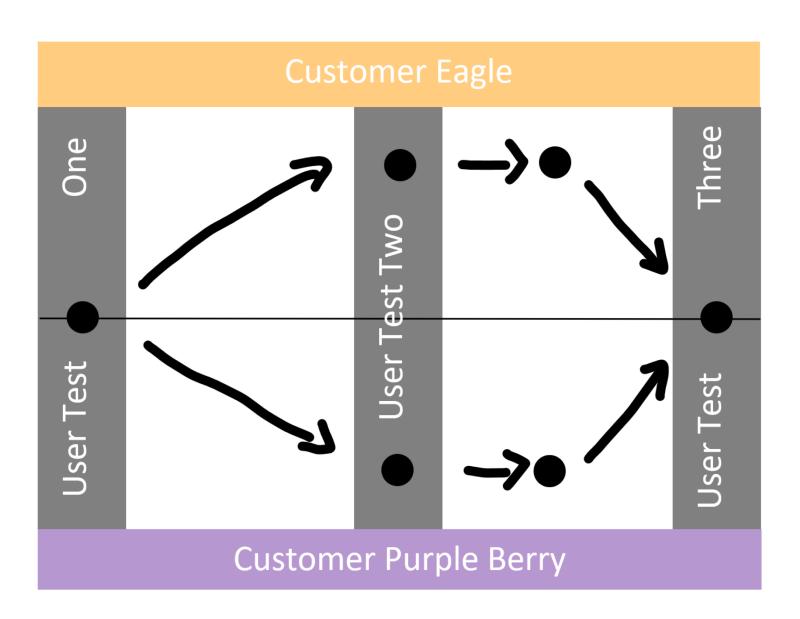
Personalizable, influence Search Parameter and Settings



TESTING PROTOTYPES



- 2 Prototypes
- 2 Customers
- 3 Tests (per Customer)



USER TEST ONE & TWO



Tasks and related Questions

Results User Test One:

P1: 17% P2: 83%

Results User Test Two:

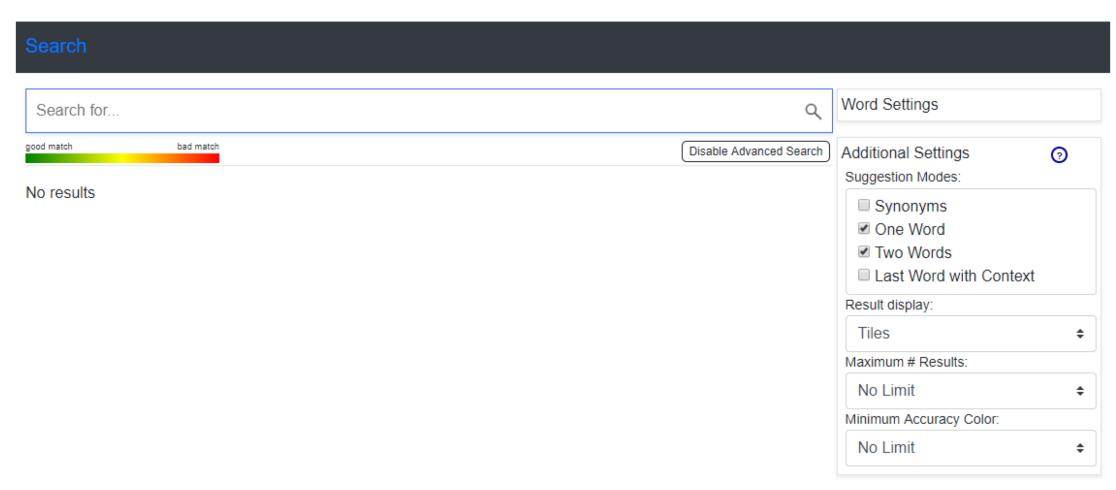
P1: 33% P2: 67%

PREPARATION FOR FINAL TEST



1/3 of Tester preferred Prototype One

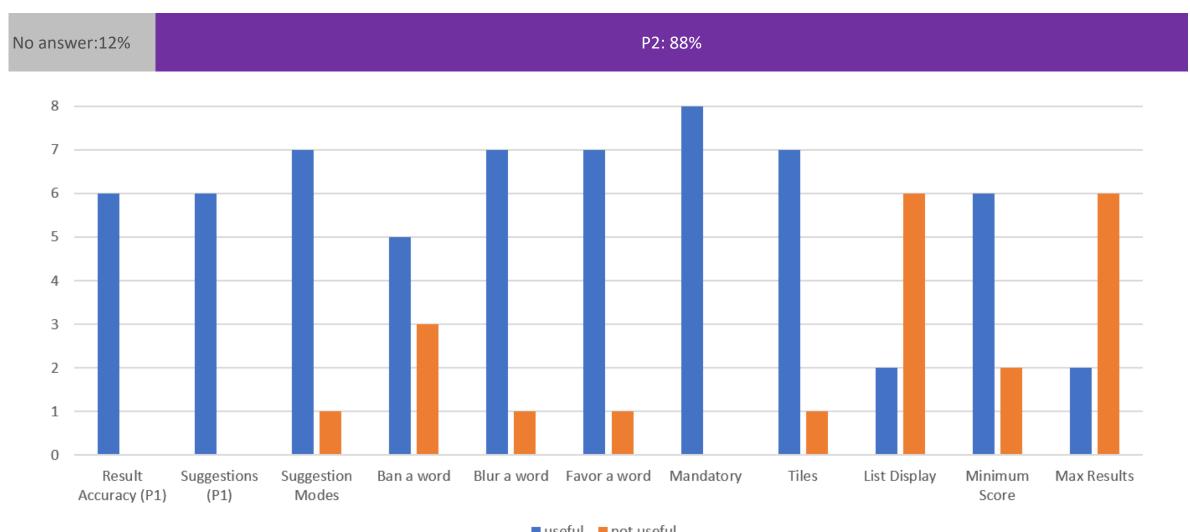
New Approach: Combine both Prototypes



USER TEST THREE



Combined Features of both customers



CONCLUSION & FUTURE WORK



Final Prototype is useful: Example blur a Word

Interviews instead of User Tests: Quality of Answers

Work into new Technologies properly

Further Action needed

- Usability Test
- Tool for automated indexing of learning content
- Integrate Search in LMS



Company Swissteach is happy with the Result!