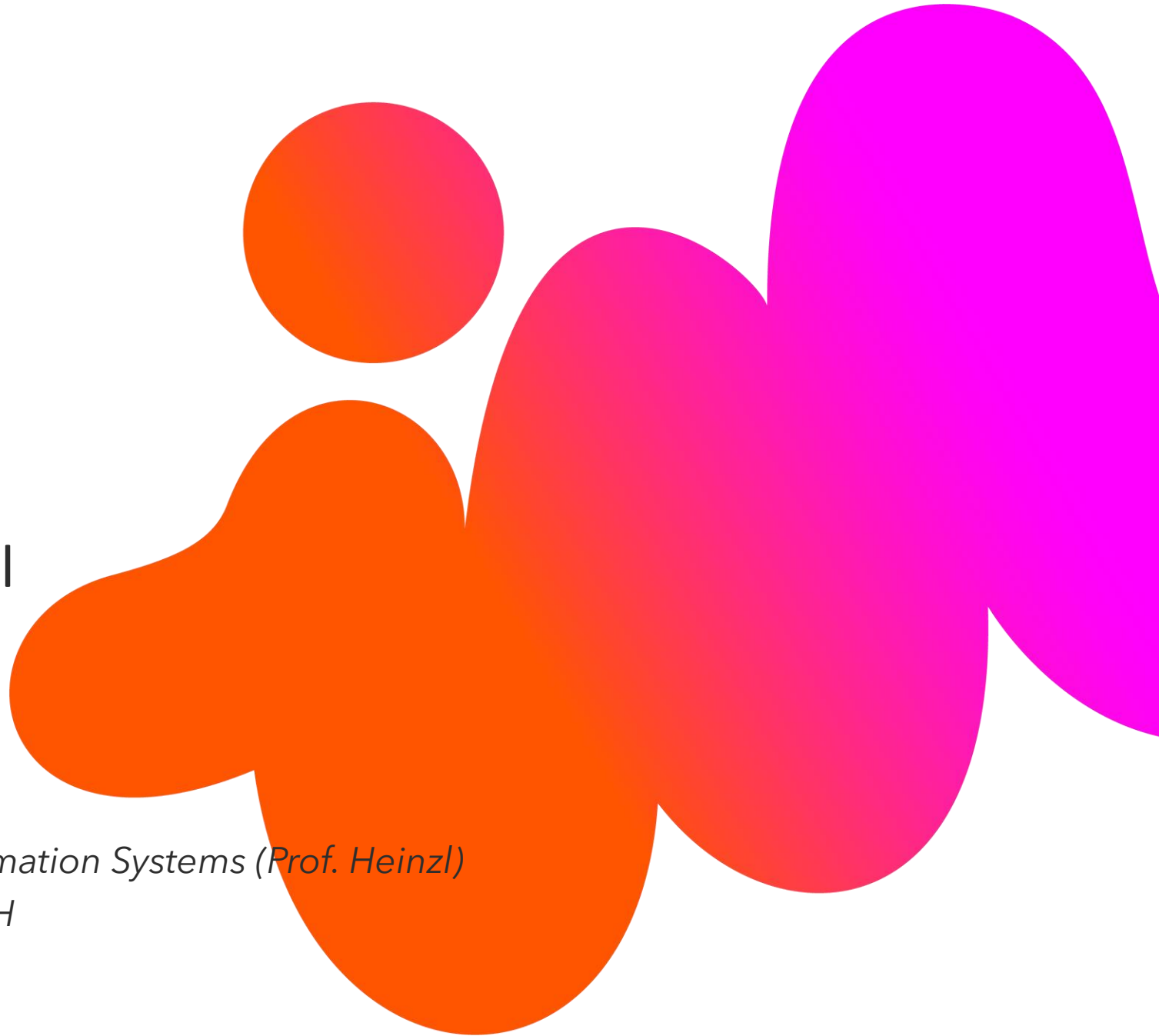


Interactive wireframing tool for dashboards in the analytics environment

Master Team Project

Chair of General Management and Information Systems (Prof. Heinzl)

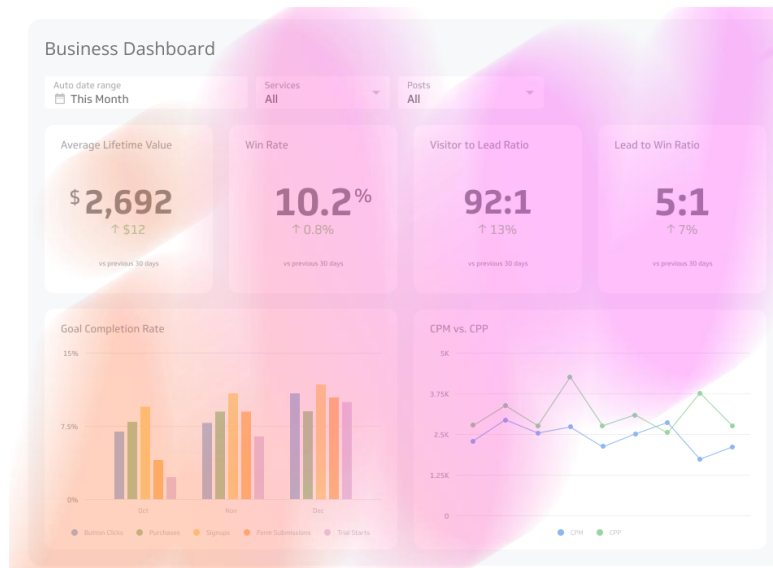
in Cooperation with INFOMOTION GmbH



Motivation

Wireframing is an efficient and crucial tool in practice. There is a great variety of tools available, but...

... there are hardly any lightweight wireframing tools suitable for **designing interactive dashboards in the analytics environment.**



Goals of this Project

Develop an application that allows to easily create interactive wireframes with a focus on analytical dashboards



Web application

Spring Boot / Angular (eCharts) / MySQL
Azure AD authentication
Corporate Design

„Basic“ Features

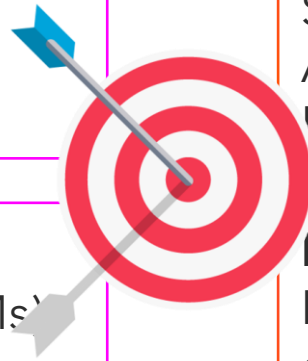
Workspace management
Style management (colors, fonts, logos, etc.)
Add visualizations and filters to a canva
More to be discussed together

“Advanced Features”

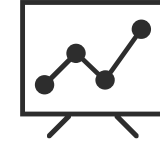
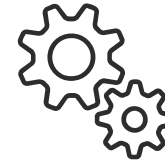
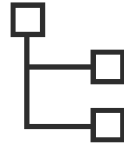
Test data upload/generation (e.g. via LLMs)
Event handling (e.g. drill down)
Export (PDF and other data formats)
More to be discussed together

Learning Goals

Improve project management and software development skills. We simulate a real world customer scenario to support your future entry into your professional career.



Overview of the expected tasks



Analysis

- Research on existing tools
- Analysis and specification of requirements
- Draft of the overall architecture
- Set up the development environment
- Agree on agile development plan (Sprint length, roles etc.)

Vision

- Definition of the final architecture
- Specify final requirements and prioritize them for agile development
- Distribute tasks and responsibilities for different areas (e.g., frontend, backend, database, interfaces, testing, documentation, etc.)

Implementation

- Agile development in sprints
- Conduct meetings (Daily, Review, Retro etc.)
- Feedback-loops and presentations from INFOMOTION - Professional Software Development, Clean Code/Code Quality, etc.

Presentation

- Present the results
- Handover of developed artifacts
- Finalization and handover of the documentation



INFOMOTION

The Data Performance Company

Strategy & Solutions
for Data and Analytics



10 Offices
DACH Region



19 Years of Growth



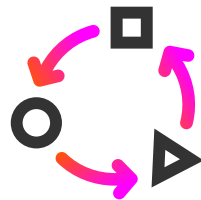
Employees

570+

Customers from all
Industries

350+

Full Service-Provider



Strong Cooperations



Digital Innovation Lab



Contact us



Dr. Okan Aydingül

INFOMOTION GmbH

Chair of General Management and Information Systems (Prof. Heinzl)

okan.aydinguel@infomotion.de | aydinguel@uni-mannheim.de

