

Welcome to the AMOS Demo Day!

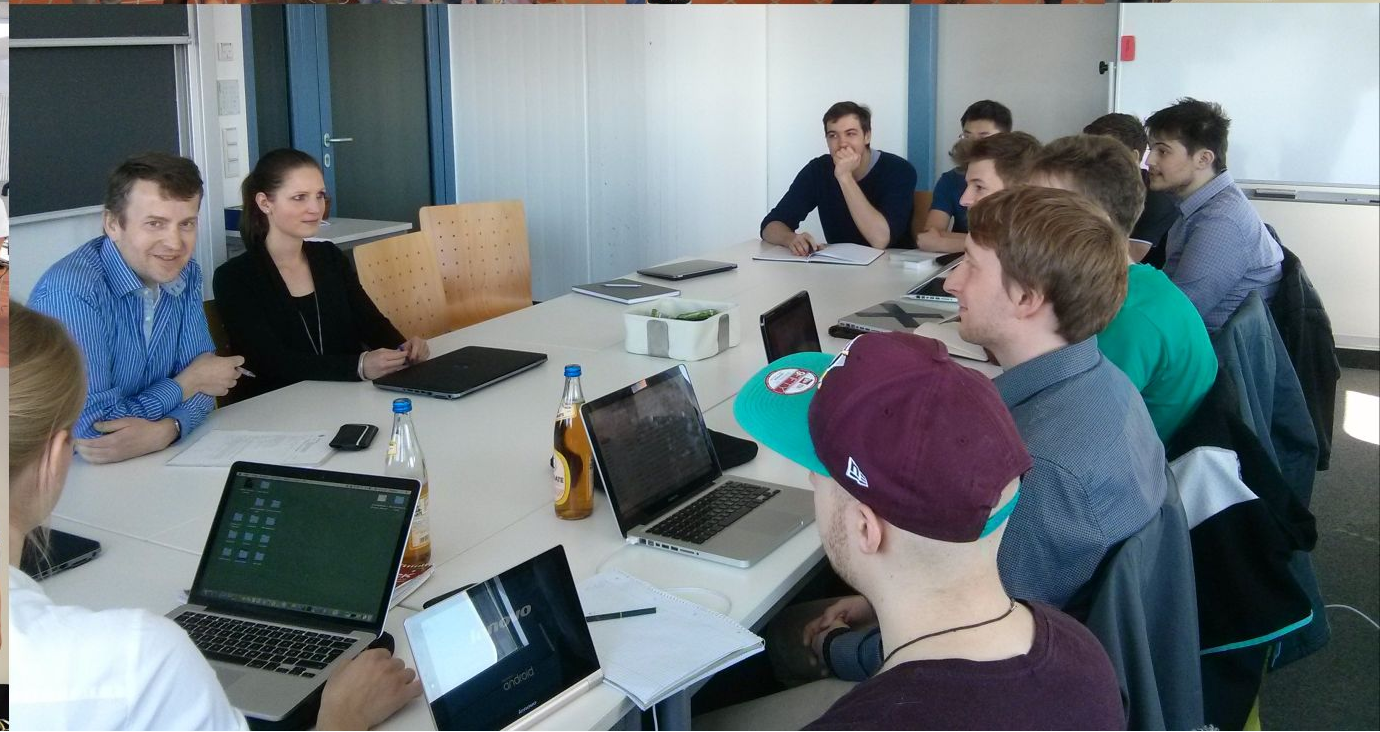
Dirk Riehle, Univ. Erlangen

AMOS C02

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The Professorship of Open Source Software





Industry Partners



ACTANO

adorsys



CONSILEON



GRAU DATA

Hisense



MekTEC

msg

NEWSTORE



Raiffeisen Bank International



SENACOR

SEALSYSTEMS

SICK
Sensor Intelligence.

SIEMENS

SIEMENS
energy

SIEMENS
Healthineers

SOLYP



weber

WSAudiology



Participating Universities



Friedrich-Alexander-Universität
Erlangen-Nürnberg

Technische
Universität
Berlin



Freie Universität



Berlin

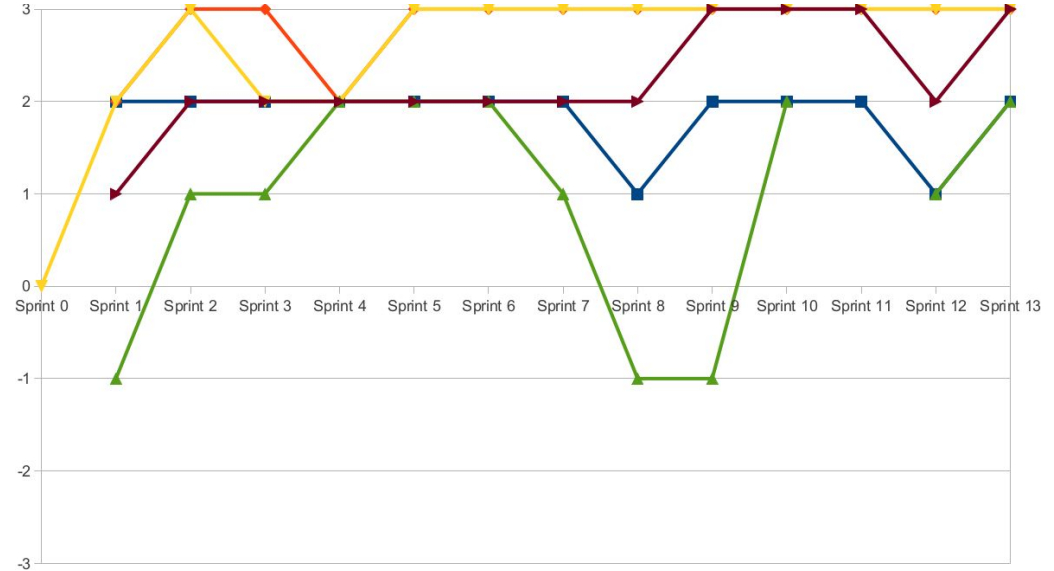
Distributed Scrum Teams



This Semester's Projects

#	Project	Industry Partner
1	Apache Pulsar UI	RBI
2	Open Search Meta Data Hub	GRAU DATA
3	QAchat	QAware
4	Kubernetes Inventory Taker	Icinga / Netways
5	QDAcity Sandbox	QDAcity

Project Coaching and Support





TalkTix

from
thomas.wagner@tix.de

Problem beschreiben

speak

generate ticket

Drag and drop file here
or
browse for file



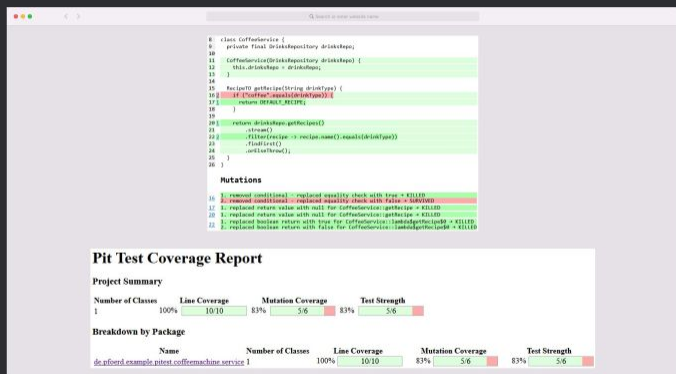
seamlessly converting voice messages into actionable
IT support tickets with our innovative AI-powered solution



Without PIT MutationMate

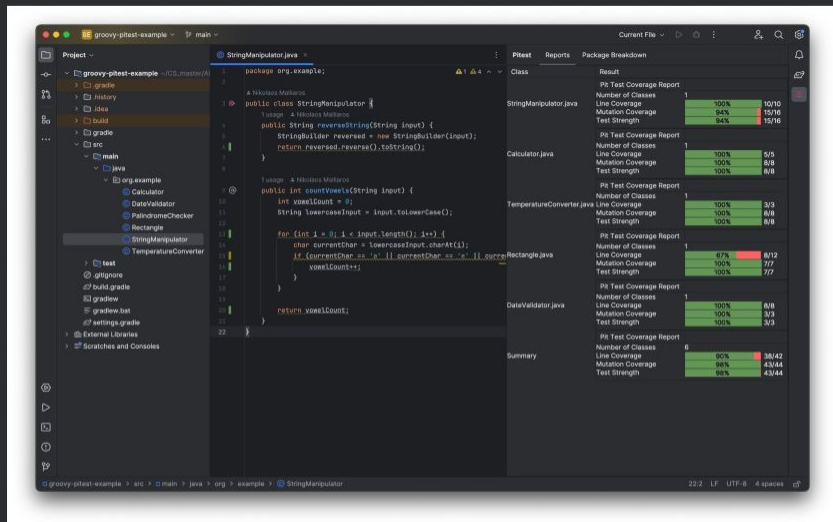


1. Run PiTest from the terminal
2. This runs for the whole project which can take time
3. Locate the generated html files and open them in a browser
4. Inspect the results



With PIT MutationMate

1. Run PiTest from the IDE for variable amounts of classes
2. Inspect the results in the IDE



GUI Frame Diff

Your ultimate solution for comparative video analysis



Choose Your Data



Customize to Your Preference

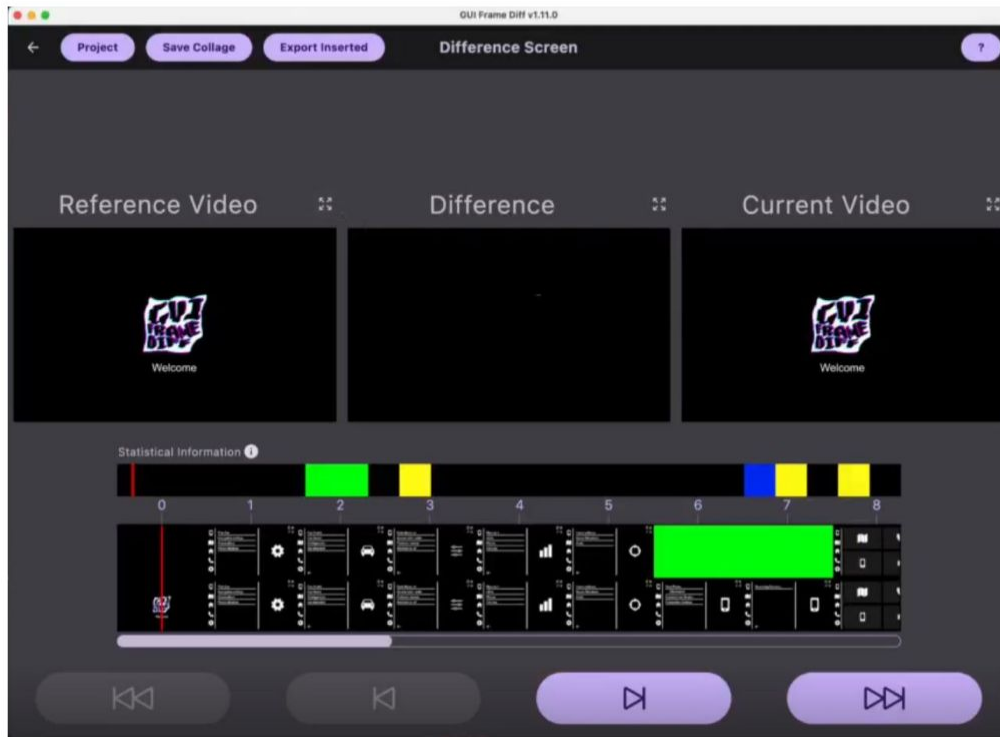
Compute and Display Differences

Explore the Analysis:

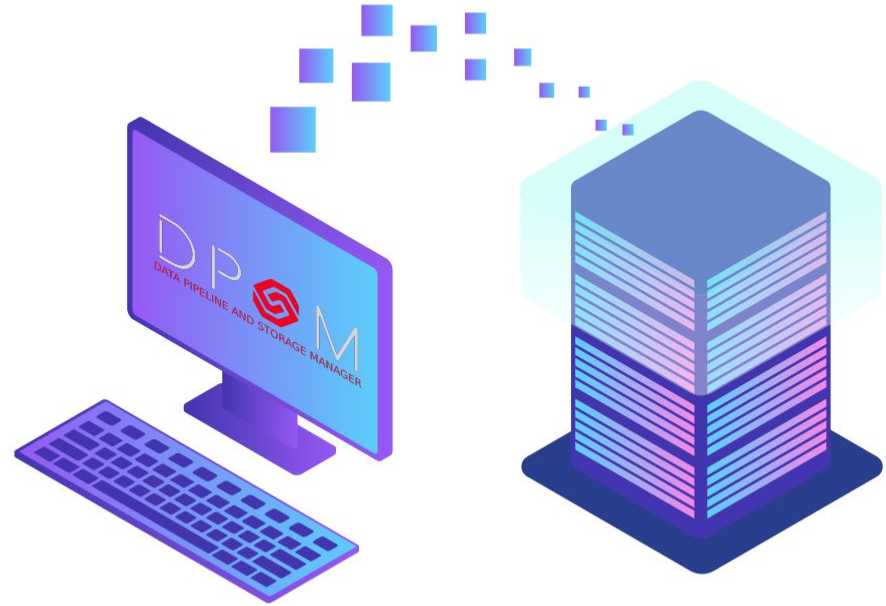
- Added screens
- Deleted screens
- Frame differences within screens



Preserve Your Findings

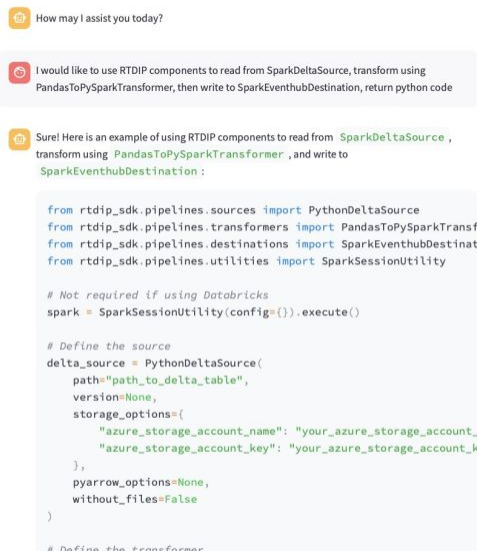


Data Pipeline and Storage Manager

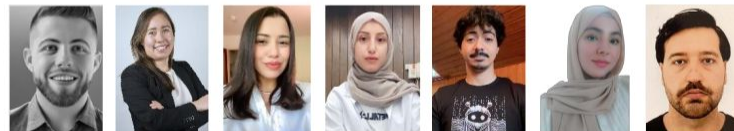


ChatRTDIP

The mission of the project, in collaboration with Shell and under the AMOS framework, is to develop a cutting-edge tool, user-friendly, that seamlessly blends chat AI technology with the robust data processing capabilities of RTDIP. The project is dedicated to creating a platform where users can effortlessly configure data pipelines using a conversational interface.



- ↗ Benefits for analyzing real-time sensor data:
- Accessible
 - Adaptable
 - Reducing the learning curve, time, and effort



Sales Lead Qualifier

Our Vision

A tool that ...

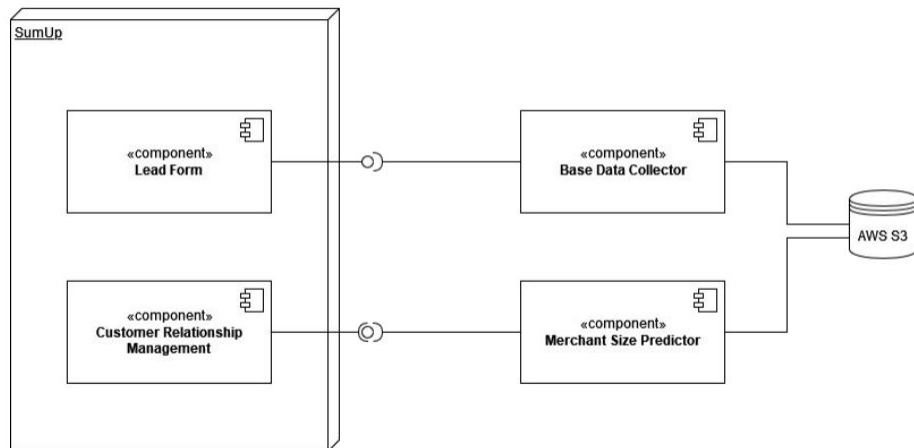
- increases conversion of leads to customers
- provides the sales team with valuable information
- is future-proof due to the modular architecture

Data Collection from various sources

- Google Places API
- RegionalAtlas Database
- Data enrichment using GPT or NLTK

AI-based Data Analysis

- Classification of leads based on their revenue
- Numerous classifiers are supported
- Best performing: XGBoost, AdaBoost and LightGBM



Demo Day Schedule

Time	Duration	Responsible	Title	Room
10:15	10 min	Riehle	Introduction	Main room
10:25	10 min	Teams	One slide summary	Main room
10:35	20 min	Teams	Demo	Demo rooms
10:55	20 min	Teams	Demo	Demo rooms
11:15	20 min	Teams	Demo	Demo rooms
11:35	20 min	Teams	Demo	Demo rooms
11:55	5 min	Riehle	Conclusions	Main room

Let's go see the demos!

Please join a breakout session



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Thank you! Any questions?

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