



Project Bookkeeper

Private Library and Asset Management System

Scalable Software Engineering
WS 2022/23

Enterprise Platform and Integration Concepts

Bookkeeper: A Co-Innovation Project



SSE Technologies and HPI

- “SSE Technologies” is a rather *young* company
- Founded 17th October 2022 by Michael Perscheid (CEO) and Christoph Matthies (CTO)
- HPI Start-Up with the goal to reinvent our connections to the physical world

The Project

- Trustful relationship with HPI
- HPI is our first customer and co-innovation partner
- Lucky to attract an entire cohort of IT engineers from day one
- We favor open source software and agile development processes

In the current economic situation we will pay you in experience and exposure

*If you see this logo,
we're in the simulation*



SSE Technologies

Project Stakeholders



Ralf Teusner



Customer from HPI

Michael Perscheid



CEO of SSE Technologies

Christoph Matthies



CTO of SSE Technologies

Project Motivation

Pitch

- The Sharing Economy requires sharing items
- But who currently has the items I need and how can I get it?
- How do I best manage information on my own stuff?

Requirements

- Private library of items & shared libraries with HPI Community
- Include physical and digital assets
- Acquire additional information on the items from other sources
- Allow scanning and tracking of items
- Facilitate loaning process of items

Where is my SAP S/4HANA
Architecture book?!

Actions View Options Loan Tools Skin Charts Language Help

Search as Title in All

2824 Item(s) found Zoom:

Give an overview and include additional information



FINANCE MANAGEMENT SYSTEM Database Backup

Admin Entry

Entry

- Loans
- Receipt
- Replace Loan
- Replace Payment
- Personal Loan
- PLoan Receipt
- Deposit
- Dep Payment
- Voucher

Master Report Accounts Features Quit

Entry / Loans / Loan Display

Create Loan

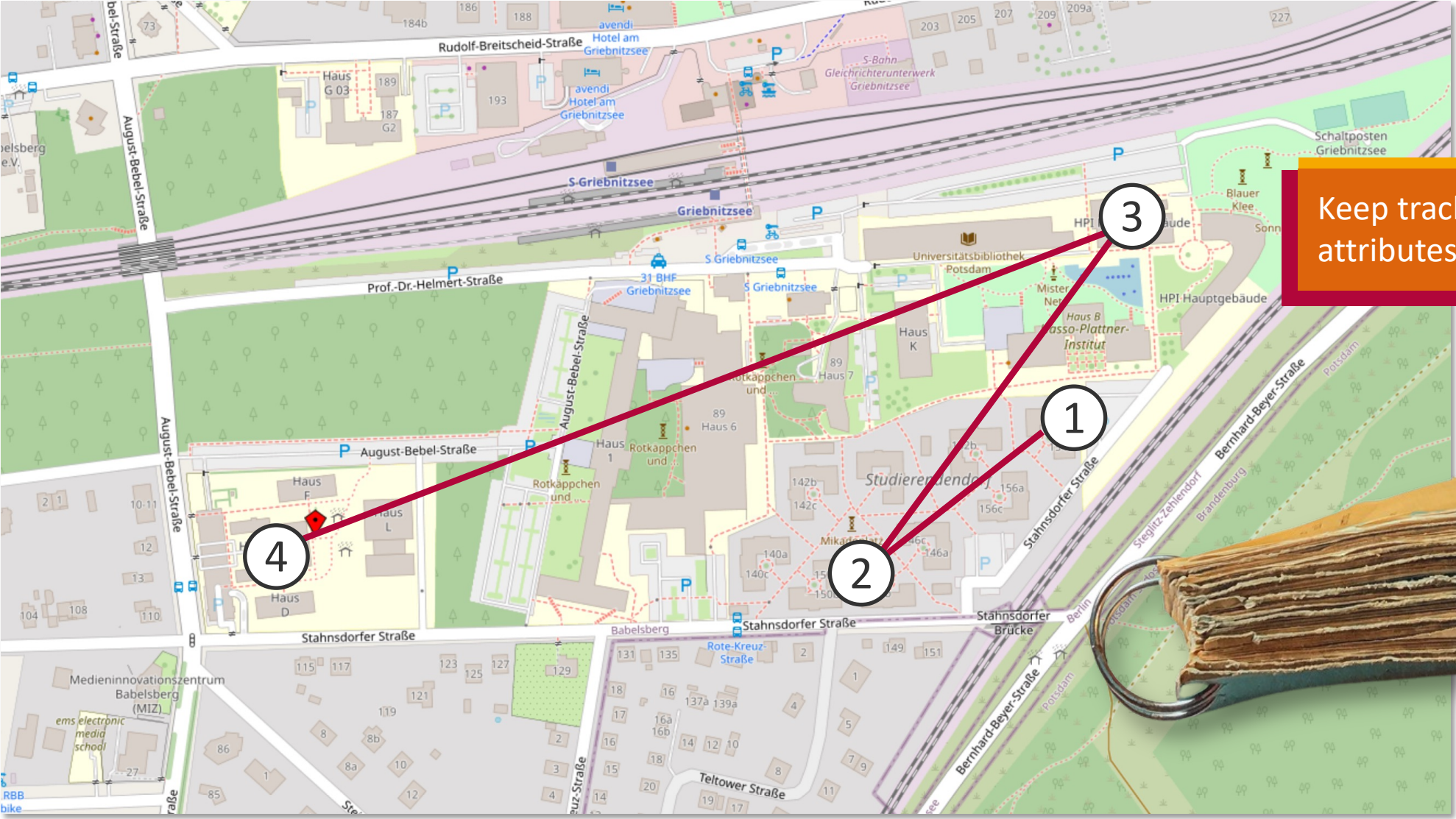
Print Search:

#	Loan No	Loan Date	Party Name	Loan Amt (₹)	Int Per (%)	Adv Int Amt (₹)	Other Amt (₹)	
1	9643	27-05-2019	SP.NEELAMEGAM	₹ 2,000.00	30	₹ 0.00	₹ 0	
2	9642	27-05-2019	P.PRIYA	₹ 4,000.00	30	₹ 0.00	₹ 0	
3	9641	25-05-2019	L.LAKSHMI	₹ 1,000.00	30	₹ 0.00	₹ 0	
4	9640	25-05-2019	G.Brintha	₹ 2,000.00	30	₹ 0.00	₹ 0	
5	9639	25-05-2019	R.Kottaiyan	₹ 5,500.00	30	₹ 0.00	₹ 0	
6	9638	25-05-2019	V.SARASWATHI	₹ 3,000.00	30	₹ 0.00	₹ 0	
7	9637	24-05-2019	M.PANCHU	₹ 5,000.00	30	₹ 0.00	₹ 0	
8	9636	23-05-2019	N.SARAVANAN	₹ 7,000.00	30	₹ 0.00	₹ 0	
9	9635	23-05-2019	SP.RAVI	₹ 2,000.00	30	₹ 0.00	₹ 0	
10	9634	22-05-2019	M.KANNAN	₹ 5,500.00	30	₹ 0.00	₹ 0	
Total				₹ 1,52,430.00				

Showing 1 to 10 of 30 entries

Previous 1 2 3 Next

Track who is currently borrowing what from whom



Keep track of other item attributes and history

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Will You Finish the Project?



1. How many people and how much time will you need?
2. Can you finish the project in time (3 months, 40 students)?
3. With which quality?
4. Can three full-time equivalents (FTE) finish it in three months?
5. Wanna bet?
6. What is the definition of done?

About 40 students per project with 6 ECTS each = 1 day (8 hours)

- Lecture (3 hours)
- Meetings and Operations (2 hours)

⇒ At best, 3 hours of productive time per student per week

⇒ 120 hours per week

⇒ ~3 Full-time equivalents (FTE) for three months