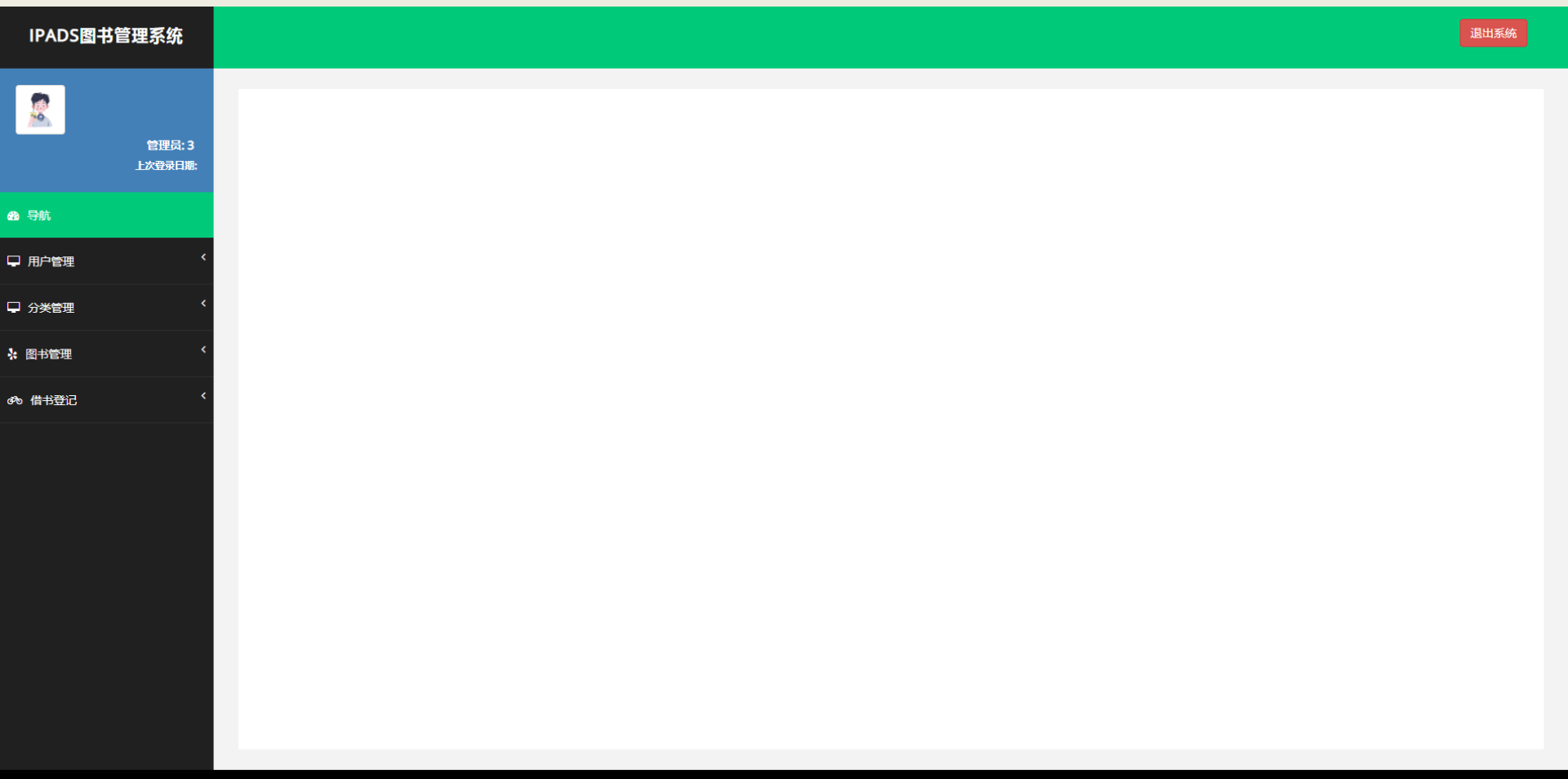# IPADS图书管理

118037910022 范文韬
118037910038 吴逸伦

- 效果图

- 一个观察
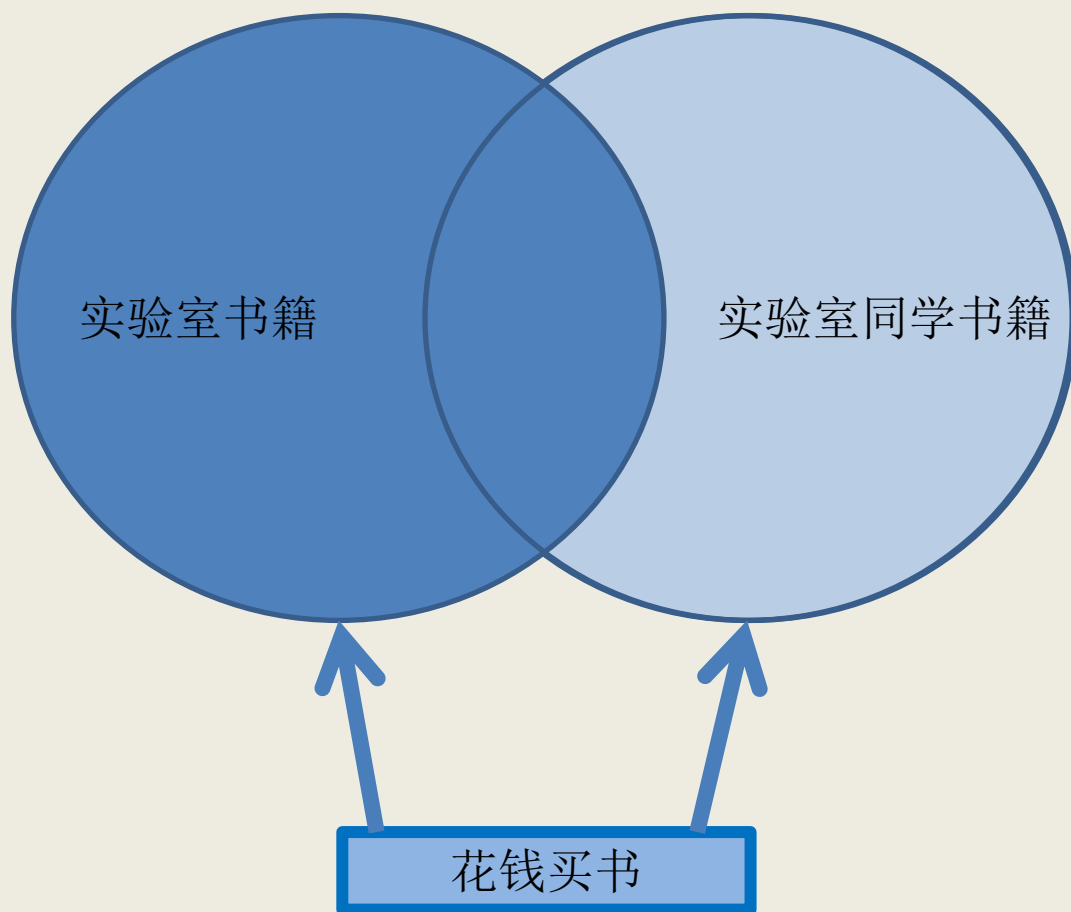
- 一个观察
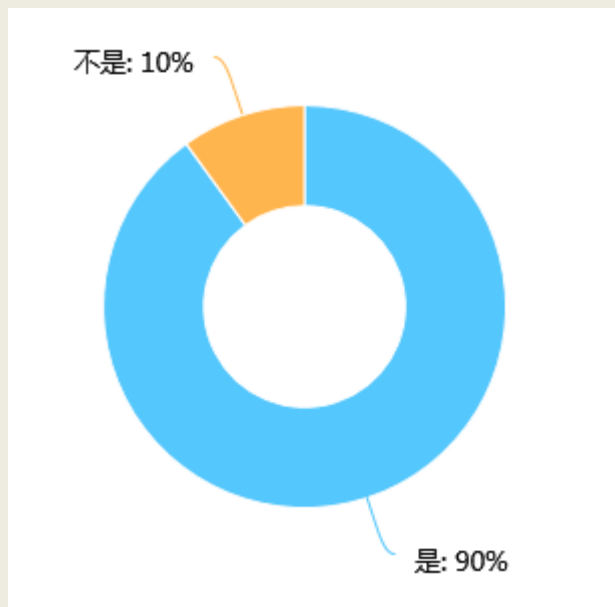
书名	编号	借书人
快学Scala	53	
快学Scala	3	WMY
快学Scala	5	LTY
CSE text book	1	
CSE text book	2	
大规模分布式存储系统	29	
Probability, Markov Chains, Queues, and Simulation	97	
风格的要素	10	Rong
C++ primer	59	CQS
Linux系统编程	18	WXY
TCP/IP详解	67	MZY
应用密码学:协议,算法与C源程序	4	
白帽子讲Web安全	71	CKX
深入理解Linux内核	6	CQS
Linux设备驱动程序	7	LL
C++ primer	11	WXY
深入理解计算机系统	12	

- Customer Validation
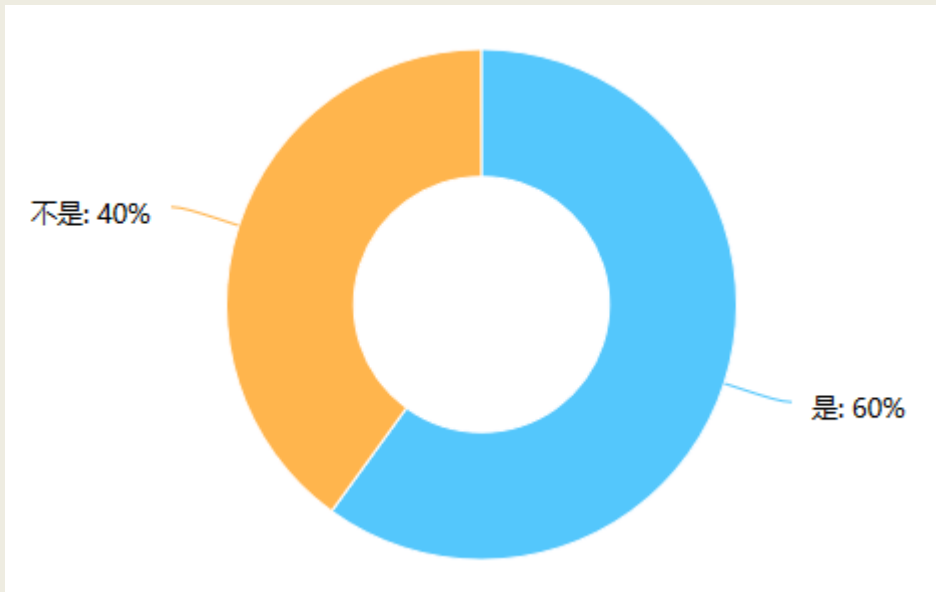
  – Round 1:超过**85%**的实验室同学认为对实验室书籍的信息获取不够
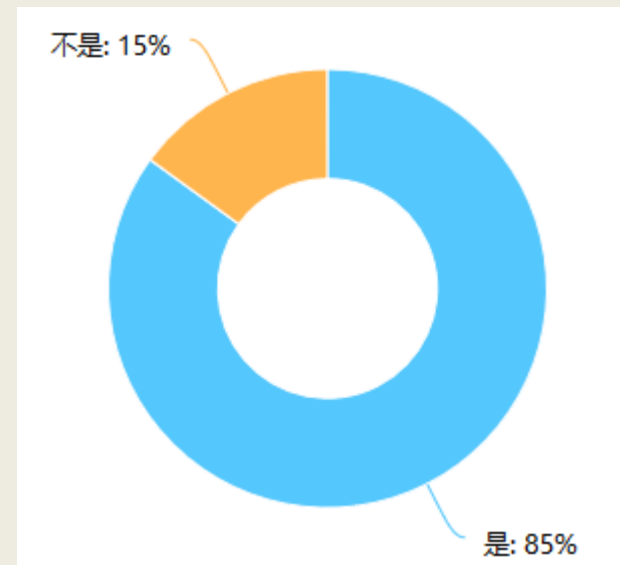

管理不够方便
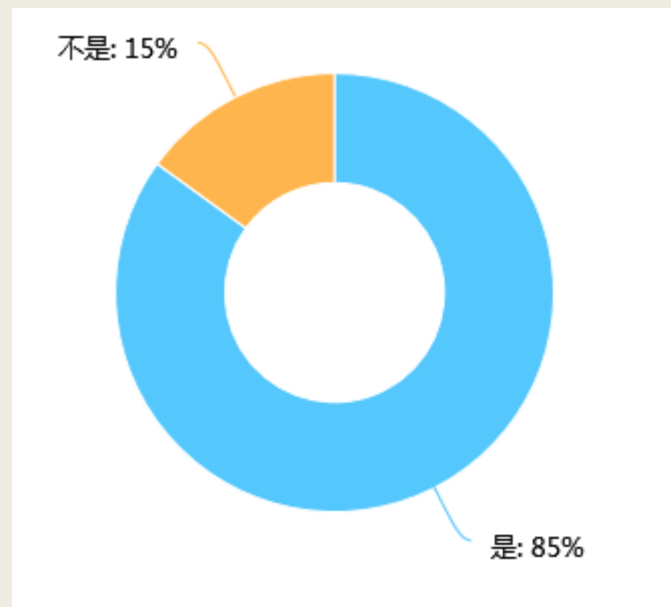
信息难以获取

- Customer Validation

  – Round 2:记录借阅信息是否必要(接近百本书籍)
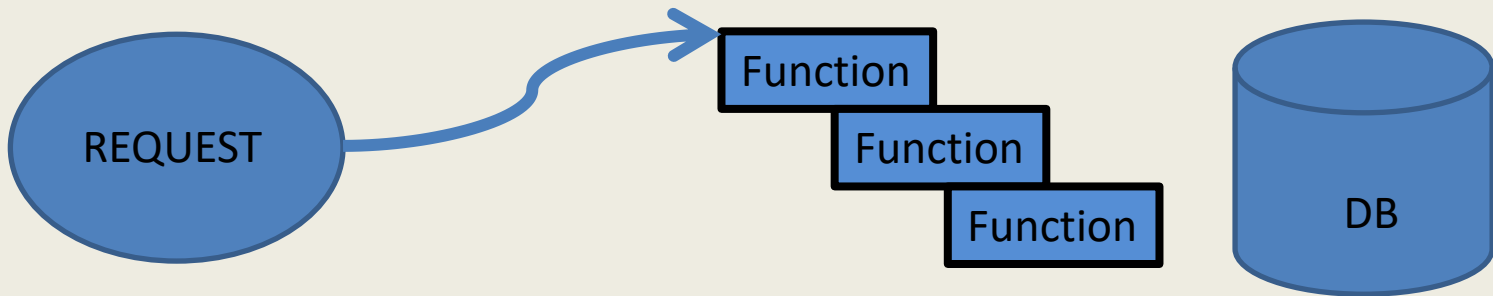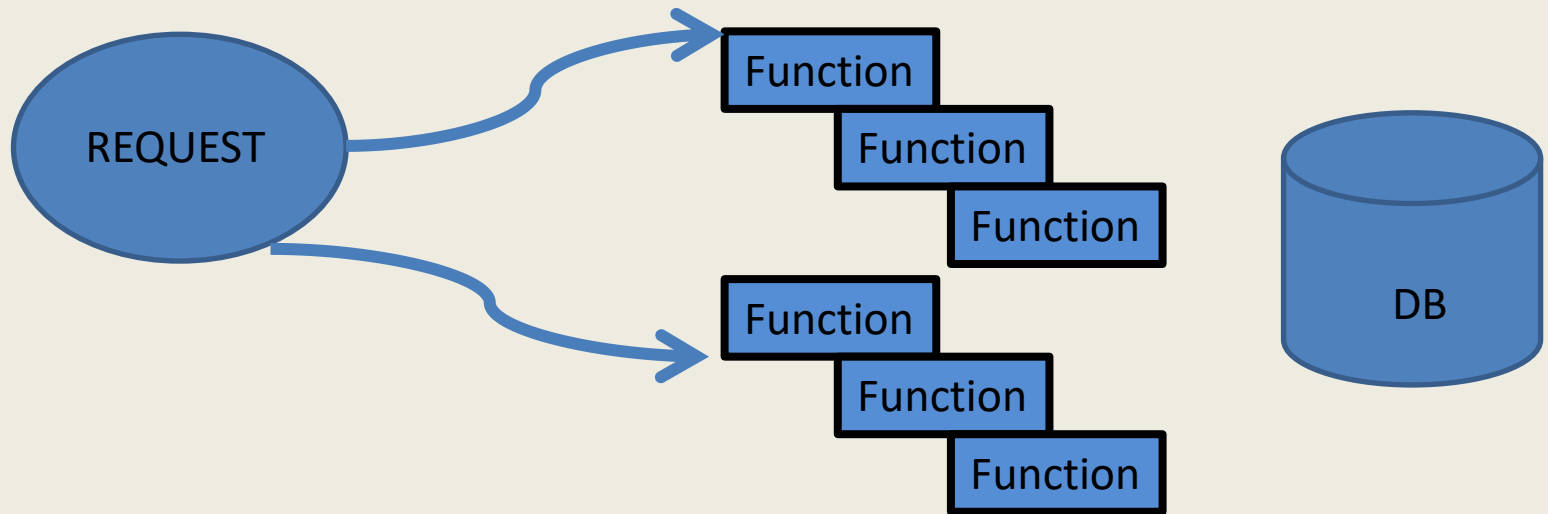
是否有借书经历

是否打算借书

- 实现

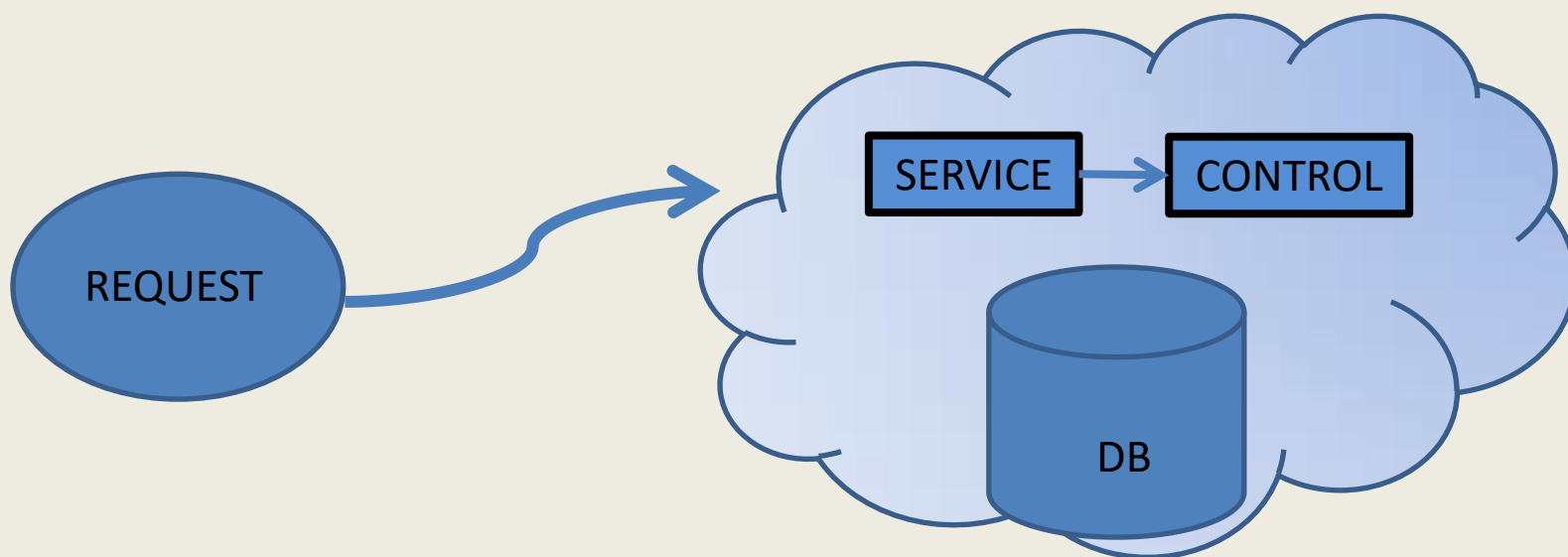 – Iteration 1:简单功能实现-登录，书籍查看

- 实现

  – Iteration 2:进阶功能-借书，加书

- 实现

  – Iteration 3:构建微服务

- # Github Repo & Git WorkFlow

☒ Clear current search query, filters, and sorts

| | 0 Open | ✓ 3 Closed | Author ▾ | Label |

⑂ **fix a build bug**
#3 by FanWT was merged 1 hour ago

⑂ **add libs for json**
#2 by FanWT was merged 1 hour ago

⑂ **Fwt dev**
#1 by FanWT was merged 6 hours ago

Default branch

`master`   Updated 1 hour ago by lemonChar   Default

Your branches

`fwt-dev`   Updated 1 hour ago by FanWT   3 | 0

• CI / CD with Jenkins

- Load Balance with K8s
  - 每个instance都维持较低的CPU使用率/内存占用

节点					
名称 ⬍	标签	已就绪	CPU 请求值（核）	CPU 限制值（核）	内存请求值（字节）
✅ instance-0-4	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-4 kubernetes.io/os: linux	True	0.02 (0.50%)	0 (0.00%)	0 (0.00%)
✅ instance-0-3	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-3 kubernetes.io/os: linux	True	0.22 (5.50%)	0.6 (15.00%)	200 Mi (2.51%)
✅ instance-0-2	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-2 kubernetes.io/os: linux	True	0.224 (5.60%)	0.204 (5.10%)	138 Mi (1.73%)
✅ instance-0-1	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-1 kubernetes.io/os: linux 显示全部	True	0.77 (19.25%)	0 (0.00%)	140 Mi (1.75%)

- Monitor with Prometheus and Grafana

- Monitor with Prometheus and Grafana