

Lab Report for Software Engineering course
Lab 1: Git & Dev Cloud

Wang, Chen
(ID: 16307110064)
School of Software, Fudan University

March 9, 2019

Contents

1	Background Knowledge of the lab	2
1.1	Version Control System	2
1.1.1	The application of VCS	2
1.1.2	The general usage of VCS	2
1.1.3	Various tools for VCS	2
1.2	Git	2
1.2.1	The feature of Git in comparison to other VCS tools . . .	2
1.2.2	The application of Git	2
1.2.3	The general usage of Git	2
1.2.4	The usage of Git in this lab	2
1.3	Java EE	3
1.3.1	The needs and application of Java EE	3
1.3.2	Common frameworks of Java EE	3
1.4	Spring Boot	3
1.4.1	The feature of Spring Boot in comparison to other Java EE frameworks	3
1.4.2	The usage of Spring Boot in this lab	3
1.5	Classroom platform of Huawei Cloud	3
1.5.1	The functionalities of Huawei Cloud	3
1.5.2	The functions of Huawei Cloud used in this lab	3
1.6	Life cycle in software engineering	3
1.6.1	The meaning of life cycle in software engineering	3
1.6.2	The life cycle displayed in this lab	3
2	Specification of the Lab	4
2.1	Platform of the operation	4
2.2	Guideline of the operation steps	4
2.3	Hand in method and materials	4
3	Steps of accomplishing this Lab	5
3.1	Git operations	5
3.2	SpringBoot framework construction	5
3.3	Executions on the SpringBoot framework	5
4	Significance of different parts of the lab	6
5	Conclusion	7

Chapter 1

Background Knowledge of the lab

1.1 Version Control System

1.1.1 The application of VCS

1.1.2 The general usage of VCS

1.1.3 Various tools for VCS

1.2 Git

1.2.1 The feature of Git in comparison to other VCS tools

1.2.2 The application of Git

1.2.3 The general usage of Git

1.2.4 The usage of Git in this lab

AAAW

1.3 Java EE

1.3.1 The needs and application of Java EE

1.3.2 Common frameworks of Java EE

1.4 Spring Boot

1.4.1 The feature of Spring Boot in comparison to other Java EE frameworks

1.4.2 The usage of Spring Boot in this lab

1.5 Classroom platform of Huawei Cloud

1.5.1 The functionalities of Huawei Cloud

1.5.2 The functions of Huawei Cloud used in this lab

1.6 Life cycle in software engineering

1.6.1 The meaning of life cycle in software engineering

1.6.2 The life cycle displayed in this lab

AAAW

Chapter 2

Specification of the Lab

2.1 Platform of the operation

2.2 Guideline of the operation steps

2.3 Hand in method and materials

Chapter 3

Steps of accomplishing this Lab

3.1 Git operations

3.2 SpringBoot framework construction

3.3 Executions on the SpringBoot framework

Chapter 4

Significance of different parts of the lab

Chapter 5

Conclusion