

Alabama Liquid Snake

University of Pretoria

Epi-Use

Botic - Privacy aware chatbot Process and Methodology

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1 Introduction

1.1 Agile Unified Methodology

<Provide a Diagram of the AUM>

Using the Agile Unified Methodology to take advantage of agile principles as well as work with a methodology based off the waterfall process, that has a simple linear and uncomplicated progression is what we have chosen to do. We anticipate that the project will not have a high requirements change throughout development, and this makes the waterfall process derivative methodology more fitting.

The Agile Unified Methodology makes use of Test-Driven Development, which is a sure-in for high quality code development. <Provide details of how we would deal with the set backs of the Test-Driven Development> <Additional motivations>

At the moment, phase 3 has high priority.

2 Planning Phase

2.1 Acquiring Requirements

2.2 Deriving Use Cases from Requirements

2.3 Allocating Use Cases Subsystems to Iterations

2.4 Producing an Architecture Design

- Links to relevant documentation

Planning Phase: Succeeded. - First meeting with client - Use Case-iteration allocation matrix here.

3 Iterative Phase

Iterative Phase: - All artifacts are listed and the changes can be checked out by cross referencing appropriate artifacts. - Each phase should logically include changes to all the implementation documentation.

3.1 Phase 1:

- Demo 1 happened here. - Phase 2 artifacts to be listed here.

3.1.1 Accomodating Requirements Change

3.1.2 Domain Modeling

3.1.3 Actor-System Iteraction Modeling User Interface Design

3.1.4 Behavior Modeling Responsibility Assignment

3.1.5 Deriving Design Class Diagram

3.1.6 Test-Driven Development

3.1.7 Integration

3.1.8 Deployment

3.2 Phase 2:

- Demo 2 happened here - Phase 2 artifacts to be listed here.

3.2.1 Accomodating Requirements Change

3.2.2 Domain Modeling

3.2.3 Actor-System Iteraction Modeling User Interface Design

3.2.4 Behavior Modeling Responsibility Assignment

3.2.5 Deriving Design Class Diagram

3.2.6 Test-Driven Development

3.2.7 Integration

3.2.8 Deployment

3.3 Phase 3:

3.3.1 Accomodating Requirements Change

- Another meeting with clients. - Refined the requirements according to proper rules thus we must refine the use cases. Link to the new SRS. - Updated architectural desgin. - Link the updated specific requirement and the use cases. - List of use cases to implementated (before and after) - No actionable customer feedback

P: Iteration Use Cases - Haven't produce new ones out of necessity. - Placing emphasis on the Chatbot component that is meant to use all subsystem. - Using updated Architecture

3.3.2 Domain Modeling

- Domain Model has been updated.

3.3.3 Actor-System Iteraction Modeling User Interface Design

3.3.4 Behavior Modeling Responsibility Assignment

3.3.5 Deriving Design Class Diagram

3.3.6 Test-Driven Development

3.3.7 Integration

3.3.8 Deployment

4 References