

TABLE OF CONTENTS

| | |
|--|------|
| APPROVAL PAGE | ii |
| DECLARATION OF ORIGIANLITY | iii |
| Acknowledgement | iv |
| Abstract | v |
| Table of Contents | vi |
| List of Figures | viii |
| List of TABLES | ix |
| Chapter 1: INTRODUCTION | 1 |
| 1.1 Company profile | 1 |
| 1.2 Definition of MMORPG | 1 |
| 1.3 Game content in GBF | 2 |
| Figure 1.1. Gacha draw rate | 4 |
| Figure 1.2. Single draw and 10-Part draws | 5 |
| Figure 1.3. Premium 10-part draw | 5 |
| Figure 1.4. Draw rates of an individual SSR item | 6 |
| Figure 1.5. Draw rates boost of fan favourite SSR item | 7 |
| Figure 1.6. Fes limited character and each years zodiac characters | 7 |
| Figure 1.7. cerulean spark system | 8 |
| Figure 1.8. Moon system | 8 |
| Figure 1.9. Outfit set | 9 |
| 1.4 Research background | 9 |
| Figure 1.10. Author's user profile,August 2019 | 10 |
| 1.5 problem statement | 11 |
| 1.6 research question | 11 |
| 1.7 Research Objective | 12 |
| 1.8 Research benefits | 12 |
| 1.9 Research Scope | 12 |
| 1.10 Systematically writing | 13 |
| Chapter 2: Theoretical review | 14 |
| 2.1 Human Computer interaction | 14 |

| | | |
|------|---|----|
| 2.2 | User centered design in game..... | 14 |
| 2.3 | Empathy | 15 |
| 2.4 | Empathy Building..... | 16 |
| 2.5 | Empathy map | 16 |
| | Figure 2.1. Empathy map canvas template | 18 |
| 2.6 | Design thinking | 18 |
| 2.7 | Personas | 19 |
| 2.8 | Persona creation | 20 |
| 2.9 | Previous Research | 21 |
| | Table 2.1 Previous research..... | 23 |
| 2.10 | Theoretical framework..... | 24 |
| | Figure 2.2 Theoretical framework..... | 25 |
| | Figure 2.3 Modified Empathy map, Ferreira et al. (2015) | 26 |
| | Chapter 3 | 28 |
| | RESEARCH METHODOLOGY..... | 28 |
| 3.1 | Research characteristic | 28 |
| | Table 3.1 Research Characteristic | 28 |
| 3.2 | Operational variables..... | 32 |
| | Table 3.2 Guiding question for Empathy map, Ferreira et al. (2015)..... | 32 |
| 3.3 | Research Stages..... | 32 |
| | Figure 3.1 Research stage..... | 33 |
| 3.4 | Data Types and resources | 33 |
| 3.5 | Data validity and Reliability | 36 |
| 3.6 | data analysis..... | 37 |
| | Chapter 4 | 39 |
| | Result and discussion | 39 |
| 4.1 | Research finding and discussions..... | 39 |
| 4.2 | Schedule of event | 39 |
| 4.3 | ethnography stduy in Game: Granblue fantasy (Step 1) | 39 |
| | Table 4.1 Digital Ethnography..... | 46 |
| | Table 4.2 Respondent statistic..... | 48 |
| 4.4 | Forming Hypothesis (Step 2) | 48 |
| | Figure 4.1 Hypothesis of this research | 49 |

| | | |
|-----|---|----|
| 4.5 | Determine number of personas (Step 3) | 50 |
| | Figure 4.2 Final numbers of persona..... | 57 |
| 4.6 | Describe the persona (Step 4)..... | 58 |
| | Figure 4.3 Empathy map, Ferreira et al. (2015) | 58 |
| | Table 4.2 Empathy map guiding question, Ferreira et al. (2015)..... | 59 |
| 4.7 | Prepare situation and scenario for persona (Step 5) | 70 |
| | Table 4.2 Scenario explanation..... | 70 |
| | Chapter 5 | 76 |
| | Conclusion..... | 76 |
| | Bibliography | 80 |

LIST OF FIGURES

| | | |
|--------------|--|----|
| Figure 1.1. | Gacha draw rate | 4 |
| Figure 1.2. | Single draw and 10-Part draws | 5 |
| Figure 1.3. | Premium 10-part draw..... | 5 |
| Figure 1.4. | Draw rates of an individual SSR item..... | 6 |
| Figure 1.5. | Draw rates boost of fan favourite SSR item | 7 |
| Figure 1.6. | Fes limited character and each years zodiac characters | 7 |
| Figure 1.7. | cerulean spark system..... | 8 |
| Figure 1.8. | Moon system..... | 8 |
| Figure 1.9. | Outfit set | 9 |
| Figure 1.10. | Author's user profile,August 2019..... | 10 |
| Figure 2.1. | Empathy map canvas template | 18 |
| Figure 2.2 | Theoretical framework | 25 |
| Figure 2.3 | Modified Empathy map, Ferreira et al. (2015) | 26 |
| Figure 3.1 | Research stage created by Visual Paradigm 15.1 | 33 |
| Figure 4.1 | Hypothesis of this research..... | 49 |
| Figure 4.2 | Final numbers of persona | 57 |
| Figure 4.3 | Empathy map, Ferreira et al. (2015) | 58 |