The Design And Social Challenges Of

Developing Massively Multiplayer Online Games

A Research Paper
in STS 4600
Presented to
The Faculty of the
School of Engineering and Applied Science
University of Virginia
In Partial Fulfillment of the Requirements for the Degree
Bachelor of Science in Computer Science

By

Domenic Tessari

November 17, 2011

On my honor as a University student, I have neither given nor received unauthorized ai	
on this assignment as defined by the Hono	or Guidelines for Thesis Related Assignments
Signed:	Date:
Approved:	Date:
Catherine D. Baritaud, Departmen	at of Science, Technology, and Society

TABLE OF CONTENTS

Abstract	ii
The Rise of Social Gaming	1
Why They Play	4
Demographics and Cultural Divides	8
Bugs, Glitches, and Exploits: Addressing Emergent Behavior	11
Closing Remarks	15
Works Cited	16
Bibliography	18

ABSTRACT

Massively Multiplayer Online Role Playing Games, otherwise known as MMORPGs or MMOs, are a fast growing sector of the entertainment industry with billions of dollars in revenue every year. With over 11.1 million players on Blizzard's World of Warcraft alone, more and more people are engaging in MMOs. The social aspect of the genre presents unique challenges to developers of the genre. Designers find themselves faced with attempting to appease a wide variety of players who enjoy and pay for their games. MMO players are drawn to the idea of advancing their characters, investing "Avatar Capital" into their online persona and developing a commitment to the game. Players also come from a diverse range of cultures and backgrounds that the game must remain sensitive to, and certain lucrative markets such as China can require extensive changes to the core game during localization. Programming oversights can also lead to complicated situations and game altering bugs and glitches, often complicating the integrity of the community and requiring a careful response from the designers. These problems require the designer to alter their position to that of a social engineer, taking on a new understanding of their players and the reasons people play to create a rich virtual world and keep the game profitable for the company.