

Software Development Concept – GTA Online Spy Satellite DLC – The Shadow Hacker Group Services – Cellular Phone Hacking Services

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Hypothetical DLC concept created for GTA Online. Concept is titled **GTAOnline Spy Satellite DLC**.

Concept presented in this document is the Shadow Hacker Group's cellular phone hacking services.

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This software development project is a sample presentation for interview purposes. The goal is to highlight my PowerPoint development skills as well as a few skills assumed of software engineers.

I assume each company or software engineer has their own way of flowcharting software before it is developed. I have found PowerPoint to be incredibly useful for creating flowcharts.

The presentation is currently in progress. However, the following slides have been completed:

- Top-Level Component View of All Services
- Top-Level Component View of Cellular Phone Hacking Services

In this document, a top-level conceptual overview of the Shadow Hacker Group's Cellular Phone Hacking Services is presented.

Accessing this presentation through my LinkedIn page (or any other way) does not give you the permission to distribute it nor claim it as your own work.

I am the sole developer of this DLC concept. No code from GTA Online nor Rockstar Games was used in the making of this document. Concept created solely from the user's perspective. Please do not distribute this presentation.

Thank you.

Sincerely,

Ed Orejel, MSCS



Brief Disclaimer

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The DLC concept that is featured in this software development document is fictional. Since it is intended for GTA Online, a game that is owned by Rockstar Games, it will feature some aspects or concepts of their game to help me illustrate the DLC concept I am proposing.

Any imagery that is owned by Rockstar Games, is only used by me for educational purposes, to help explain a concept that I am proposing.

No type of illegal or unauthorized modification to GTA Online is being proposed in this document. I am only reusing certain aspects of their game in a hypothetical manner. I am also including other components for addition into GTA Online.

Any other images found in this document are used solely for educational purposes and are property of their respective owners.

Vision Statement

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This concept can work for GTA Online because of how GTA was designed. Currently, all the players have an in-game cell phone. The assumption is that the players receive cell phone access to play the game. There is no clear indication on where the cell phone access comes from. Thus, we can assume the cell phone access is given to the players by a phone company in San Andreas. The phone company is implied and the connection between the telephone company in San Andreas and the players is implicit. San Andreas is supposed to resemble the state of California.

It is implied that the phone company uses satellites to communicate. This relationship is tenuous because, ultimately, we do not know where the player's cell phone access comes from. It is safe to assume, the connection is subject to interpretation with players left with the belief that this is just the way it is in GTA Online.

A spy satellite can be included in GTA Online. The addition of a spy satellite will make the relationship between telecommunications and the player's cell phone explicit. Further, the players can receive access to new and robust ways to play the game. The access ranges from new ways of hacking into systems, to new smart and high-tech vehicles and even new types of smart ammunition.

I have included a final design of potential components that can be enabled with the addition of a spy satellite. I believe the components align well with GTA Online's overall style of gameplay. The component design has been finalized, but I am the only developer that created this concept. Other developers, for example, developers from Rockstar Games, might be able to design different components if they are given a spy satellite.

Thank you.

Expanding on my Vision – New Additions to GTA Online – The Shadow Hacker Group Services

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Shadow Hacker Group



The Shadow Hacker group will provide various services to the player through the spy satellite. The services are categorized as follows:

- Hacking
- Attacking
- Defending

Expanding on my Vision – New Additions to GTA Online – The Shadow Hacker Group and The Military Group

Shadow Hacker Group



The Shadow Hacker Group and the Military Group are included with the Spy Satellite DLC because of the overall theme of the DLC. The two groups are different because of the nature of their abilities to identify targets or collect covert surveillance, for example.

A Shadow Hacker Group will use sophisticated and covert means to conduct their operations. This could mean using simple technology in never before seen ways, and they will do this while stationed miles away, using a connection to a spy satellite.

A Military Group will use the spy satellite in a way that is different from a Shadow Hacker Group, but the manner in which the Military Group uses a spy satellite, is useful.

The usage of the spy satellite by the two groups is so distinct, that it was easier to create two separate entities for GTA Online that would be given access to the spy satellite.

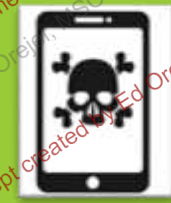
Thus, the Military Group would use typical military weapons and tactics provided by the spy satellite. The Shadow Hacker Group would use atypical weapons and tactics provided by the spy satellite. The former group's methods are for conventional warfare, presumably. The latter group's methods are for permanent or long term asymmetrical warfare, including asymmetrical information (intelligence) gathering.

The Military Group





Hacker Services – Hacking Services – Cell Phone Hacking Services



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