**Characters**

*Player:*

*Name – Age – Professional Hacker*

*Antonio’s family:*

*Antonio – 52 – Mob Boss/Businessman*

*Maria – 40 – Antonio’s wife*

*Flora – 26 – Antonio’s daughter*

*Tony – 19 – Antonio’s elder son*

*Ricky – 11 – Antonio’s younger son*

*Marcus – 77 – Antonio’s father*

*Others:*

*Sam – 29 – Flora’s fiance*

*Voice on Phone:*

*Pablo – 32- Unknown*

**Dialogue System**

* *Interruptive Character/NPC Dialogue (we call this “conversation”)*
* *Non-interruptive NPC chatter (called “incidental speech”)*
* *NPC-to-NPC chatter*

*NPC – Non Player Character*

**Prologue**

A laptop screen appears with a bunch of code automatically being typed onto it. After a while, through the code, it’s understood that the user of the in-game laptop (not the player) is trying to hack into someone’s bank account. **The player needs to confirm the commands on screen by hitting Enter key at 3-4 places** while hacking is carried out after which a message displays “Transfer Completed”.

**Chapter 1**

*Scene I*

*(Background – Home, A heavyset man in his fifties is sound asleep in his room when the phone beside him starts ringing. He groggily answers the phone.)*

*Man - Hello?*

*Voice on Phone – You know, my dad used to say this always. “Those who are early to rise, shine in life early as well”. But you were always an exception, no Danny?*

*Man(impatiently) - Danny? Hah. Sorry Boss, you got the wrong number.*

*Voice on Phone – No, Antonio. I sure have the right audience. Man, I really thought, you would have preferred Danny. Tell me, is Maria familiar to that name?*

*Man(seriously) - Who’s speaking?*

*Voice on Phone - Oh Dan! Don’t spoil the fun. Don’t you watch neo-noir crime dramas? All attempts at that question in the history of mankind have been in vain.*

*Man – I got no time for movie-crap. So I’m asking you one last time, politely, to come to the point.*

*Voice on Phone – Aah, that reminds me of another one from my dad. It was something about how patience is supposed be the most virtuous quality of successful men. Well, I guess you aren’t that patient as well or maybe you aren’t that successful at all, huh Danny? (chuckles)*

*Man - Don’t you know who you are goofing with wisey?*

*Voice on Phone - Haha! You wake up late. You have no patience. You don’t learn anything. I just called you by the alias that you left behind ages ago. Something that no one around you is familiar with and you still think I got you by chance? Worry not. I know exactly who I am talking to.*

*Man - Look, unless you say something relevant in the next 20 seconds, I am politely going to hang up. It’s Sunday for heaven's sake and I am going to sleep like a baby and pretend this call was just a silly dream, alright? You don’t want to mess with the wrong man, kiddo!*

*Voice on Phone - Come on Danny. It’s so beautiful outside. Slide the curtains and glance at the shimmering orange sunlight in the buttery white snow. It looks similar to Ricky’s red cheeks when crystal like tears were rolling onto them, the day before, only less adorable.*

*Man – Alright, so you are a stalker. Big deal. And I used to think that kidnappers call parents for ransom after they execute the kidnapping successfully. Shoo! Call me, when you’ll have my son beside you. Some stalker. Meh.*

*Voice on Phone – Oh my. No no, no Danny. Me and causing trouble to your family. Never. On the contrary, I have always been an advocate for your well-being.*

*Man(scornfully) – Really? Well, then why don’t you tell me the reason for this annoying wake-up call.*

*Voice on Phone – It’s no biggie. It’s just that you don’t have any more money left in your XYZ account. Thought, I’d let you know. You probably wouldn’t check that one anyway for months.*

*Man –What do you mean?*

*Voice on Phone – Dios mio! Do I need to spell it out for you? Your money, Dan. Someone transferred all your money from XYZ Bank. Someone hacked into it.*

*(The man throws the phone away and rushes to his personal laptop.* ***A bunch of tasks for the player again.*** *The color of his face changes. He realizes that the man is indeed telling the truth. He runs back to grab his phone and yells desperately.)*

*Antonio – Hello, hello? Are you there?*

*Voice on Phone – Yes, of course Dan. I am not one to leave you during your tremors. Especially when the fun has just begun.*

*Antonio – How did you know about it and why the hell are you telling me all this? What do you want?*

*Voice on Phone – I sure miss the old days. You see Dan. That’s your problem. You have become so used to your lavish lifestyle that you need to have everything decoded by someone else. Go figure this one out on your own. After all, you are one hell of a leader, aren’t you? As for why, don’t be bothered. I have reasons of my own.*

*Antonio(calming down a bit) – Well, then tell me this at least. I would eventually figure it out anyway. Why then the courtesy of letting me know beforehand?*

*Voice on Phone – Let’s just say, somebody out there wants you to lose badly. Just to clarify again though dear, I am not that somebody, trust me. So anyway, considering the myriad of accounts you own, it would take you at least few months to realize this. Then, of course the loss of money wouldn’t be half an issue for you compared to the fact that someone dared to steal from your den. This would then drive you to seek vengeance. Following that beautiful hunt, you’ll be facing another bloody ambush and this will eventually turn into a Tom and Jerry show. You know, I love that show to my core. I just can’t wait months for the game to begin. Hence the heads-up.*

*Antonio – Well then, in that case. I owe you one. And you are right. That bastard is going to face his share of wrath for sure.*

*Voice on Phone – That’s more like it. And yeah, you are damn right, you owe me. And I am not talking about this conversation. But first things first. We’ll come to that later. You’ll keep hearing from me anyway. Good luck with your revenge!*

*(The call gets disconnected. Antonio dials another number and asks for a professional hacker to come in ASAP.)*

*Scene II*

*(The bell rings and Antonio hurries to open the door. A man in his late twenties enters and introduces himself. He’ll be the player.)*

*(Antonio introduces his family members to the player while showing him his house. Also he says that his elder son, Tony is still asleep.* ***The player talks to Antonio about the hack and explains Antonio about the basic ways of social engineering*** *that could have been used and also promises to get on it immediately and asks for a place to work. Antonio asks him to sit in any place comfortable except for the bedrooms.)*

*(The player gets to work****. He gets introduced to the in-game computer for the first time. He is taught the basics of the gameplay and the intricacies of the machine. Then he is asked to do a bunch of tasks.*** *After the tasks, he realizes that it wasn’t as easy to track the hacker as he had expected it to be. He tells Antonio that he needed access to all the computers and the mobiles in the house and the password to the network as well.**Antonio readily gives him the passwords and asks the family members to cooperate. Thus he gets the internet working on his own laptop and gets the permission to enter into any of the rooms and ask for the personal computers and mobiles of his family members.)*

*\*Dialogues can be written later*

**Chapter 2**

*Scene I*

*(The player is free to roam around and can enter into any room. Other players can be artificially engineered to commit to some movements/tasks. Whenever he’ll approach a person, there’ll be dialogues with movement still being available. On the other hand, whenever he’ll enter into a room with a device (computer/mobile), the movement will be blocked as it’ll be a part of the story and the dialogues will take place after which* ***he’ll have to perform tasks.***

*\*As of this moment, we need to decide what tasks exactly we need to embed into the game.*

*Scene II*

*(The bell rings again and this time it’s Sam who is Flora’s boyfriend. Her mother answers the door and invites him heartily. He too responds cheerfully and then goes on to greet Antonio who looks at him insultingly and continues talking on phone. Sadly, he asks for Flora and starts walking to her room. The player then asks Maria about him. She tells him about Sam. And the player stars working again.)*

*\* Later in the story, Sam’s rocky relationship with Antonio will unfold. Also his relationships with all the other members will be introduced to the player gradually in order to make them suspects. In addition, after 3-4 chapters, the player will realize that Sam too had access of the account through Flora. Side missions will be based on the player’s back-story.*

**Tasks**

*Prologue*

*Chapter 1*

*Chapter 2:*

1. *Ricky:*
   1. *Introduction to Gabber.*
   2. *Needs to complete at least 3 conversations on Gabber.*
   3. *Victory in all cases.*
2. *Flora:*
   1. *Introduction to Mail Box.*
   2. *Needs to download a file sent by Sam.*
   3. *Victory in all cases.*
3. *Antonio:*
   1. *Introduction to Bank Website*
   2. *Needs to check his last transactions of XYZ Account*
   3. *Victory in all cases*
4. *Maria:*
   1. *Needs to create an account for the social networking website.*
   2. *The stronger the password, more the points.*
5. *Ricky:*
   1. *Needs to go through a blog post about how to install crack to a game.*
   2. *Clicks on the link in the post and gets redirected.*
   3. *The website has a bunch of download buttons*
   4. *If clicks on fake one, fail*
   5. *Else, sign up menu appears.*
   6. *If signed up, fail*
   7. *Else success*
6. *Sam:*
   1. *Introduces Ricky to a game website.*
   2. *Needs to play at least one game to complete the task.*
   3. *Victory in all cases.*

*Chapter 3:*

1. *Antonio:*
   1. *Needs to open a folder in the explorer that has various documents.*
   2. *Needs to open a document that has data regarding his past(Maybe pages of his diary)*
   3. *Victory in all cases.*
2. *Maria:*
   1. *Maria needs to visit the blogging website to learn a new recipe.*
   2. *A shortened url link suggests to click on it for more such recipes.*
   3. *If clicked, fail else success.*
3. *Ricky:*
   1. *Ricky plays games.*
   2. *Layered links are present on the page. (Clickjacking)*
   3. *If clicked, fail, else game points are added to real score.*
4. *Flora:*
   1. *Receives a mail claiming to offer free download of a desired music file*
   2. *File name is name.mp3.exe*
   3. *If wrong name is identified, success*
   4. *Else fail.*
5. *Player:*
   1. *S*
   2. *Q*
   3. *X*
6. *Sam:*
   1. *Needs to book an online ticket.*
   2. *Visits the travel website*
   3. *Something related to transactions*

**The Big List of Attacks**

1. *Poorly secured websites*
   1. *Cross Site Scripting*
   2. *SQL Injection*
   3. *HTML Injection*
   4. *Compromised Databases of infamous websites/Stored Credit Card Details*
   5. *Security Exploits*
2. *User’s improper safety precautions*
   1. *Same username/password for multiple sites*
   2. *Weak Password*
   3. *Storing passwords in cyber cafes*
   4. *Security Question can be cracked using social media info*
   5. *Cross Site Request Forgery(Session hijack mainly)*
3. *Social Engineering*
   1. *Phishing*
   2. *Spear Phishing*
   3. *Quid Pro Quo (Attacker makes you believe that your computer is vulnerable and makes you enter suspicious commands into terminal which actually then compromise the system*
   4. *Social Media Scams*
   5. *Strangers trying to seek info on chats.*
4. *Malwares*
   1. *Virus*
      1. *Inappropriately named files (Ex: Song.mp3.exe)*
      2. *Shared links, mail attachments, images, etc*
      3. *Update antivirus*
      4. *Replicates itself*
      5. *Occupies free space*
      6. *infected USB stick*
   2. *Spyware*
      1. *Change browser outlook*
      2. *Change default search engine*
      3. *Implement keyloggers*
      4. *Record search habits and buying habits*
      5. *Add obnoxious toolbars*
      6. *Steal passwords and credit card numbers stored in browser*
      7. *H/w and s/w configurations*
   3. *Trojan Horse*
      1. *Secretly run malicious code while pretending to perform something desirable.*
      2. *Sites claiming to offer free viewership of TV shows offers software which actually help attacker to execute code remotely on the target computer (Backdoor entry)*
      3. *Distributed Denial of Service attacks*
      4. *proxy server for concealing attacks*
      5. *Trojan downloads in the name of cracks of softwares/games and infected webpages.*
      6. *Inititates worm and viruses.*
   4. *Worm*
      1. *Uses network to send copies of themselves to other PC’s*
      2. *Spread rapidly across network*
      3. *Transmitted as an email attachment or a Facebook message.*
      4. *Slows down system and internet or forces multiples reboots.*
      5. *Exploits only network vulnerability and can be prevented by using firewall*
   5. *Scareware*
      1. *Trick user into downloading a fake legit app which then needs to be upgraded to a licensed version or it’ll hold the system as a hostage blocking everything else.*
   6. *Adwares*
      1. *Appealing advertisements redirection through blogging/pornography websites*
      2. *Sends popups containing ads based on browsing history*
      3. *May sound harmless but consumes processor power and slows down Internet.*
      4. *Advertisement Frauds*
   7. *Ransomwares*
      1. *Alters system in a ways that blocks normal usage until a ransom is paid.*
   8. *Botnets*
      1. *Spam delivery from your system*
      2. *Attacks from your system*
      3. *Your system becomes proxy*
   9. *Bootkits/Rootkits*
      1. *Gains administrator/root access and disguises itself.*
   10. *Drive-by downloads*
       1. *Bad web pages exploit weaknesses in browser*
5. *Others*
   1. *Shortened URL’s*
   2. *Clickjacking*
   3. *DNS Spoofing*
   4. *Bank Fraud*

*Edit Chapter 2 Task 5*

*Take care of corner cases in the in game games.*

*Fake page with skip ad option and java plugin required popup that says install now or install later both of which are fake.*

*Add actual link in the tooltip.*

*Fix the tictactoe game*

*Fix chatbot app*