

# Challenge

Carbon was releasing a new game for their Carbon Play platform called Battle Tanks 2. They required an in-game menu system and tank customiser with back-end infustructure to handle game data, player accounts, NFT minting and on-chain asset tracking and mapping to player accounts.

## Goal

Develop a menu system and tank customiser with Unity and connect it to a back-end that handles all game data, player accounts, and NFT minting. Create, test, and deploy smart contracts for the back-end to interact with and listen for NFT transfer events to map them to a players wallet address stored on the back-end.

**Tank Customiser** 



### Menu system



Main menu with current loadout and XP level progress.



Menu system showing the tank turrets and bodies that can be minted.

INVENTORY CREATE BT2_NFT_Business I 10 I 197.91 ×
CREATE NFT MINT X
Rover Balanced tark base
Required Parts: 1 x gellota 1 x spellota
1 x @ Gears 1 x @ Gears 1 x ⊕ Electonica 1 y + 1 o 2 . ± 2   Local Required Blueprint: CREATE CREATE
Manner     A Rover Elluport     rover       Stats:     k     Total Supply:     186       Revel     Available:     130
Ammer  Ammer
Next Next

Minting a new tank body showing all the parts players must collect before being able to mint.

#### **Smart Contracts**



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## Conclusion

Battle Tanks 2 was launched to a very good reception and was maintained for as long as possible before being discontinued due to lack of users in the crypto space.

## Reference

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