

User	
<u>User_Name</u>	VARCHAR(255)
PC_ID	INT

design

PC	
<u>PC_ID</u>	INT
CPU_Name	VARCHAR(255)
Cooler_Name	VARCHAR(255)
MotherBoard_Name	VARCHAR(255)
Storage_Name	VARCHAR(255)
Memory_Name	VARCHAR(255)
GPU_Name	VARCHAR(255)
PowerSupply_Name	VARCHAR(255)
Estimated_Cost	FLOAT

Power Supply	
<u>PowerSupply_Name</u>	VARCHAR(255)
PowerSupply_Manufacturer	VARCHAR(255)
Model	VARCHAR(255)
Type	VARCHAR(255)
Efficiency Rating	VARCHAR(255)
Wattage	INT
Length	INT
Modular	VARCHAR(255)
Fanless	BOOL
ATX 4-Pin Connectors	INT
EPS 8-Pin Connectors	INT
PCIe 12+4-Pin 12VHPWR Connectors	INT
PCIe 12-Pin Connectors	INT
PCIe 8-Pin Connectors	INT
PCIe 6+2-Pin Connectors	INT
PCIe 6-Pin Connectors	INT
SATA Connectors	INT
Molex 4-Pin Connectors	INT
PowerSupply_Price	FLOAT

CPU Cooler	
<u>Cooler_Name</u>	VARCHAR(255)
Cooler_Manufacturer	VARCHAR(255)
Model	VARCHAR(255)
Fan RPM	INT
Noise Level	VARCHAR(255)
Height	FLOAT
TDP	INT
CPU Socket	VARCHAR(255)
Water Cooled	BOOL
Fanless	BOOL
Cooler_Price	FLOAT

GPU	
<u>GPU_Name</u>	VARCHAR(255)
GPU_Manufacturer	VARCHAR(255)
Chipset	VARCHAR(255)
Memory	INT
Memory Type	VARCHAR(255)
Core Clock	INT
Boost Clock	INT
INterface	VARCHAR(255)
Frame Sync	VARCHAR(255)
Length	INT
TDP	INT
Case Expansion Slot Width	INT
Total Slot Width	INT
Cooling	VARCHAR(255)
External Power	VARCHAR(255)
HDMI 2.1a Outputs	INT
DisplayPort 1.4a Outputs	INT
GPU_Price	FLOAT

MotherBoard	
<u>MotherBoard_Name</u>	VARCHAR(255)
MotherBoard_Manufacturer	VARCHAR(255)
CPU Socket	VARCHAR(255)
Form Factor	VARCHAR(255)
Chipset	VARCHAR(255)
Memory Max	INT
Memory Type	VARCHAR(255)
Memory Slots	INT
Memory Speed	VARCHAR(255)
PCIe x16 Slots	INT
PCIe x8 Slots	INT
PCIe x4 Slots	INT
PCIe x1 Slots	INT
PCI Slots	INT
M.2 Slots	VARCHAR(255)
Mini-PCIe/mSATA Slots	INT
Half Mini-PCIe Slots	INT
Mini-PCIe / mSATA Slots	INT
mSATA Slots	INT
SATA 6.0 Gb/s	INT
Onboard Ethernet	VARCHAR(255)
Onboard Video	VARCHAR(255)
USB 2.0 Headers	INT
USB 2.0 Headers (Single Port)	INT
USB 3.2 Gen 1 Headers	INT
USB 3.2 Gen 2 Headers	INT
USB 3.2 Gen 2x2 Headers	INT
Supports ECC	BOOL
Wireless Networking	VARCHAR(255)
RAID Support	BOOL
Uses Back-Connect Connectors	BOOL
MotherBoard_Price	FLOAT

CPU	
<u>CPU_Name</u>	VARCHAR(255)
CPU_Manufacturer	VARCHAR(255)
Series	VARCHAR(255)
Microarchitecture	VARCHAR(255)
Core Family	VARCHAR(255)
CPU Socket	VARCHAR(255)
Core Count	INT
Thread Count	INT
Performance Core Clock	FLOAT
Performance Core Boost Clock	FLOAT
L2 Cache	INT
L3 Cache	INT
TDP	INT
INtegrated Graphics	BOOL
Maximum Supported Memory	INT
ECC Support	BOOL
Includes CPU Cooler	BOOL
Lithography	INT
Simultaneous Multithreading	BOOL
CPU_Price	FLOAT

Storage	
<u>Storage_Name</u>	VARCHAR(255)
Storage_Manufacturer	VARCHAR(255)
Capacity	VARCHAR(255)
Type	VARCHAR(255)
Form Factor	VARCHAR(255)
INterface	VARCHAR(255)
NVME	BOOL
Storage_Price	FLOAT

Memory	
<u>Memory_Name</u>	VARCHAR(255)
Memory_Manufacturer	VARCHAR(255)
Speed	VARCHAR(255)
Form Factor	VARCHAR(255)
Modules	VARCHAR(255)
First Word Latency	INT
CAS Latency	INT
Voltage	INT
Timing	VARCHAR(255)
ECC / Registered	VARCHAR(255)
Heat Spreader	BOOL
Memort_Price	FLOAT

