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TCSS 445

Intermediate Project Submission Schema Design

Due 5/21/2021

FDs:

Username -> (Email, FName, LName)

BuildName, Username -> (CPUName, CoolerName, PSUName, MoboName, CaseName,

OSName, MouseName, KeyboardName)

GPUName -> (Chipset, CoreClock, GPULength, GPUPrice)

MemName -> (Speed, Modules, MemPrice)

StorageName-> (Capacity, DriveType, StorageForm, Interface, StoragePrice)

MonitorName -> (ScreenSize, Resolution, RefreshRate, MonitorPrice)

CPUName -> (CoreCount, CoreClock, TDP, CPUPrice)

CoolerName -> (RPM, RadiatorSize, CoolerPrice)

PSUName -> (PSUForm, Efficiency, Wattage, PSUPrice)

MoboName -> (Socket, MoboForm, MemSlots, MoboPrice)

CaseName -> (CaseType, ExtBays, IntBays, CasePrice)

OSName -> (OSType, OSMode, OSPrice)

MouseName -> (MouseName, MouseConnection, MaxDPI, MousePrice)

KeyboardName -> (KeyboardConnection, SwitchType, KeyboardPrice)

MVDs:

BuildName, Username ->-> GPUName

BuildName, Username ->-> MemName

BuildName, Username ->-> StorageName

BuildName, Username ->-> MonitorName

Schema: User

Username	Email	FName	LName

Schema: PCBuild

BuildName	Username	CPU*	Cooler*	PSU*	Mobo*	Case*	OS*	Mouse*	Keyboard*

* append "Name"

Schema: BuildGPU

BuildName	Username	GPUName

Schema: BuildMemory

BuildName	Username	MemName

Schema: BuildStorage

BuildName	Username	StorageName

Schema: BuildMonitor

BuildName	Username	MonitorName

Schema: VideoCard

GPUName	Chipset	CoreClock	GPULength	GPUPrice

Schema: Memory

MemName	Speed	Modules	MemPrice

Schema: Storage

StorageName	Capacity	DriveType	StorageForm	Interface	StoragePrice

Schema: Monitor

MonitorName	ScreenSize	Resolution	RefreshRate	MonitorPrice

Schema: CPU

CPUName	CoreCount	CoreClock	TDP	CPUPrice

Schema: CPUCooler

CoolerName	RPM	RadiatorSize	CoolerPrice

Schema: PowerSupply

PSUName	PSUForm	Efficiency	Wattage	PSUPrice

Schema: Motherboard

MoboName	Socket	MoboForm	MemSlots	MoboPrice

Schema: Case

CaseName	CaseType	ExtBays	IntBays	CasePrice

Schema: OS

OSName	OSType	OSMode	OSPrice

Schema: Mouse

MouseName	MouseConnection	MaxDPI	MousePrice

Schema: Keyboard

KeyboardName	KeyboardConnection	SwitchType	KeyboardPrice