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Final Project: PC Part Picker V2

User Story

- I want to put together a virtual computer piece by piece.

  o When selecting each piece I want to be shown the important data in an organized way without being redirected away from the main screen.

- I want to be able to check the compatibility status of the build as a whole.

  o If the parts I pick are not compatible I want to be informed why the parts are not compatible.

- I want my build to be saved so when I close the page and come back, the parts are still listed.

- As an administrator I want to be able to login and gain access to administrative tools.

  o With the tools provided I want to be able to update, add, or delete components in the database.

  o When updating or adding a component I want to be given an organized form which makes data submission easy.

FinalProject.Case
- caseName : varchar(80)
- 🔑 caseId : tinyint(3) unsigned
- # caseFFId : tinyint(3) unsigned
- # maxGPULengthInches : decimal(6,2) unsigned
- # caseNum25Bays : tinyint(4) unsigned
- # caseNum35Bays : tinyint(4) unsigned
- # casePrice : decimal(7,2) unsigned

FinalProject.MBFormFactors
- 🔑 mbFFId : tinyint(3) unsigned
- mbFFType : varchar(15)

FinalProject.Motherboard
- 🔑 mbId : tinyint(3) unsigned
- mbName : varchar(60)
- # mbSocketId : tinyint(3) unsigned
- # mbFFId : tinyint(3) unsigned
- # mbNumRamSlots : tinyint(4) unsigned
- # maxRamGB : smallint(4) unsigned
- # mbRamTypeId : tinyint(3) unsigned
- # mbNumSata3Ports : tinyint(4) unsigned
- # mbPrice : decimal(7,2) unsigned

FinalProject.CPU
- 🔑 cpuId : tinyint(3) unsigned
- cpuName : varchar(60)
- cpuBaseClock : varchar(10)
- # cpuNumCores : tinyint(4) unsigned
- # cpuTDP : smallint(5) unsigned
- # cpuPrice : decimal(7,2) unsigned
- # cpuSocketId : tinyint(3) unsigned
- cpuManufacturer : varchar(50)

FinalProject.Socket
- 🔑 socketId : tinyint(3) unsigned
- socketType : varchar(15)

FinalProject.RamType
- 🔑 ramTypeId : tinyint(3) unsigned
- ramType : varchar(15)

FinalProject.RAM
- 🔑 ramId : tinyint(3) unsigned
- ramName : varchar(50)
- # ramTypeId : tinyint(3) unsigned
- ramSpeed : varchar(15)
- # ramCas : tinyint(3) unsigned
- # ramSizeGB : smallint(4) unsigned
- # ramPrice : decimal(7,2) unsigned

FinalProject.StorageFormFactors
- 🔑 storageFFId : tinyint(3) unsigned
- storageFFType : varchar(15)

FinalProject.Storage
- 🔑 storageId : tinyint(4) unsigned
- storageName : varchar(50)
- storageSize : varchar(10)
- storageType : varchar(20)
- storageRPM : varchar(15)
- storageCache : varchar(15)
- # storageFFId : tinyint(3) unsigned
- # storagePrice : decimal(7,2) unsigned

FinalProject.PSU
- 🔑 psuId : tinyint(3) unsigned
- psuName : varchar(50)
- # psuWatts : smallint(6) unsigned
- psuModularity : varchar(10)
- psuEfficiency : varchar(20)
- # psuPrice : decimal(7,2) unsigned

FinalProject.GPU
- 🔑 gpuId : tinyint(3) unsigned
- gpuName : varchar(50)
- gpuManufacturer : varchar(20)
- gpuBaseClock : varchar(15)
- gpuMemSize : varchar(15)
- # gpuTDP : smallint(5) unsigned
- # gpuLengthInches : decimal(6,2) unsigned
- # gpuPrice : decimal(7,2) unsigned

FinalProject.AdminUsers
- 🔑 userId : int(10) unsigned
- username : varchar(50)
- password : varchar(50)