

Electronic Parts Tracker

 Librarian 

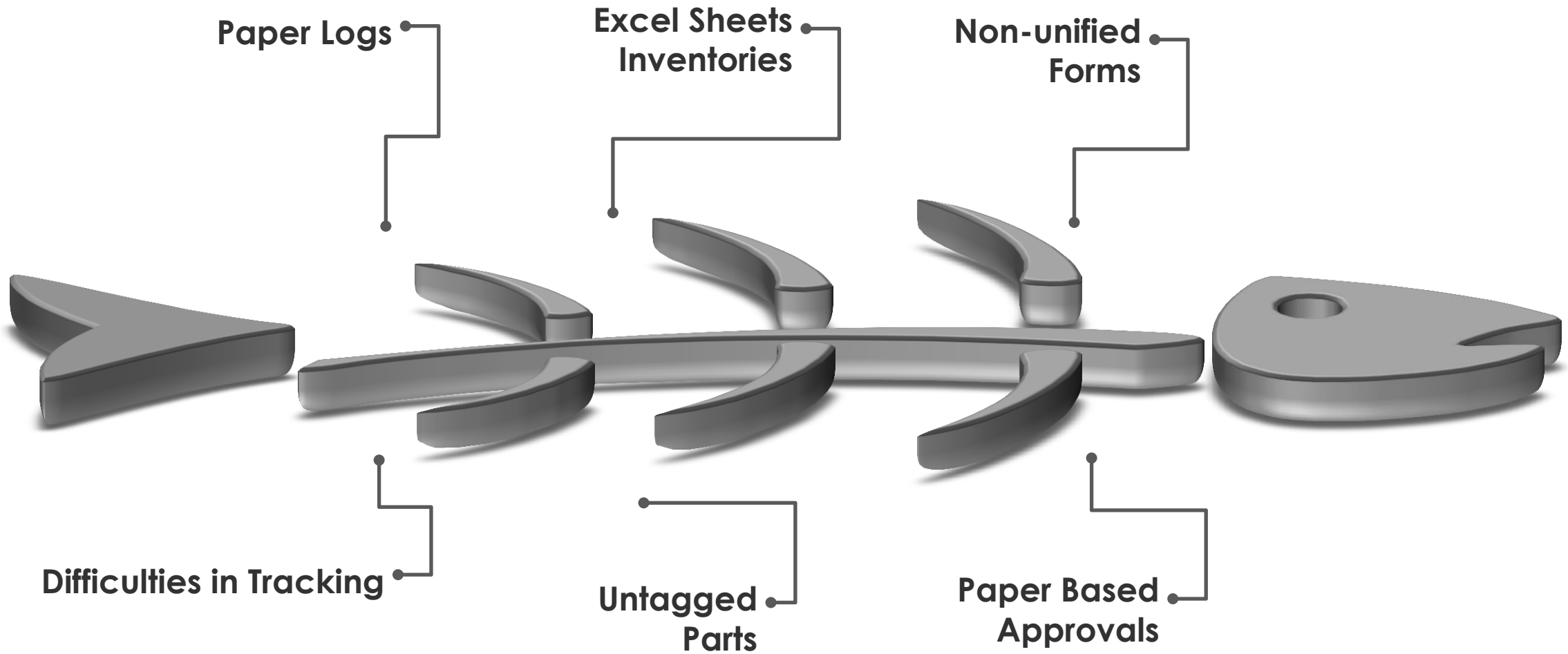
Wael Alagi

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Mahdi Al-Mayouf

COE 485
Senior Designs

Problem Overview



Requirements – Specifications

Requirements

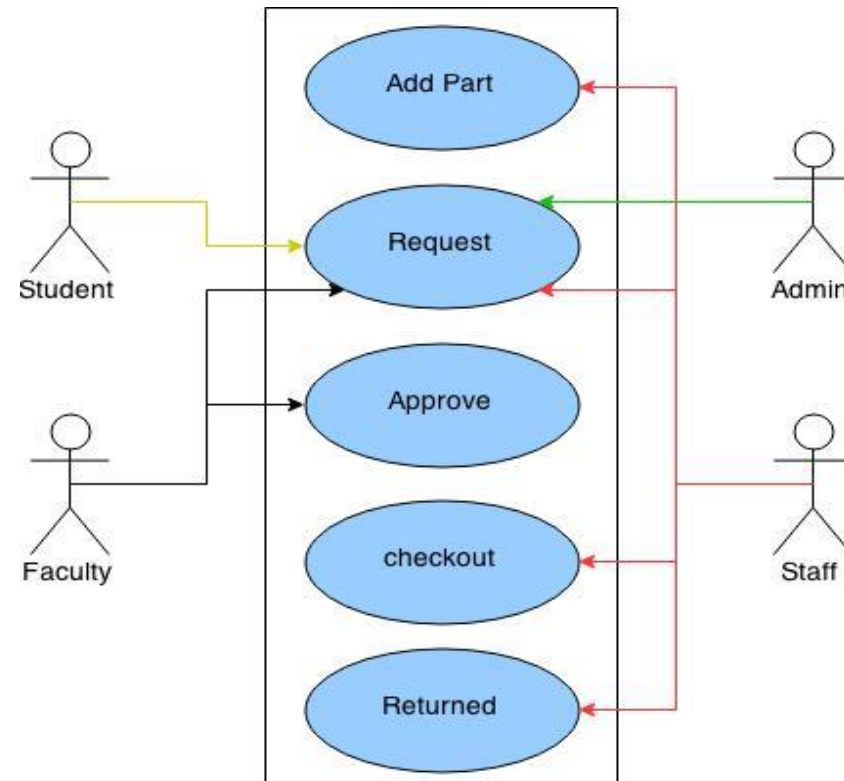
- Add new parts and their quantities. Similar but non-identical parts should be distinguishable. Include part photos.
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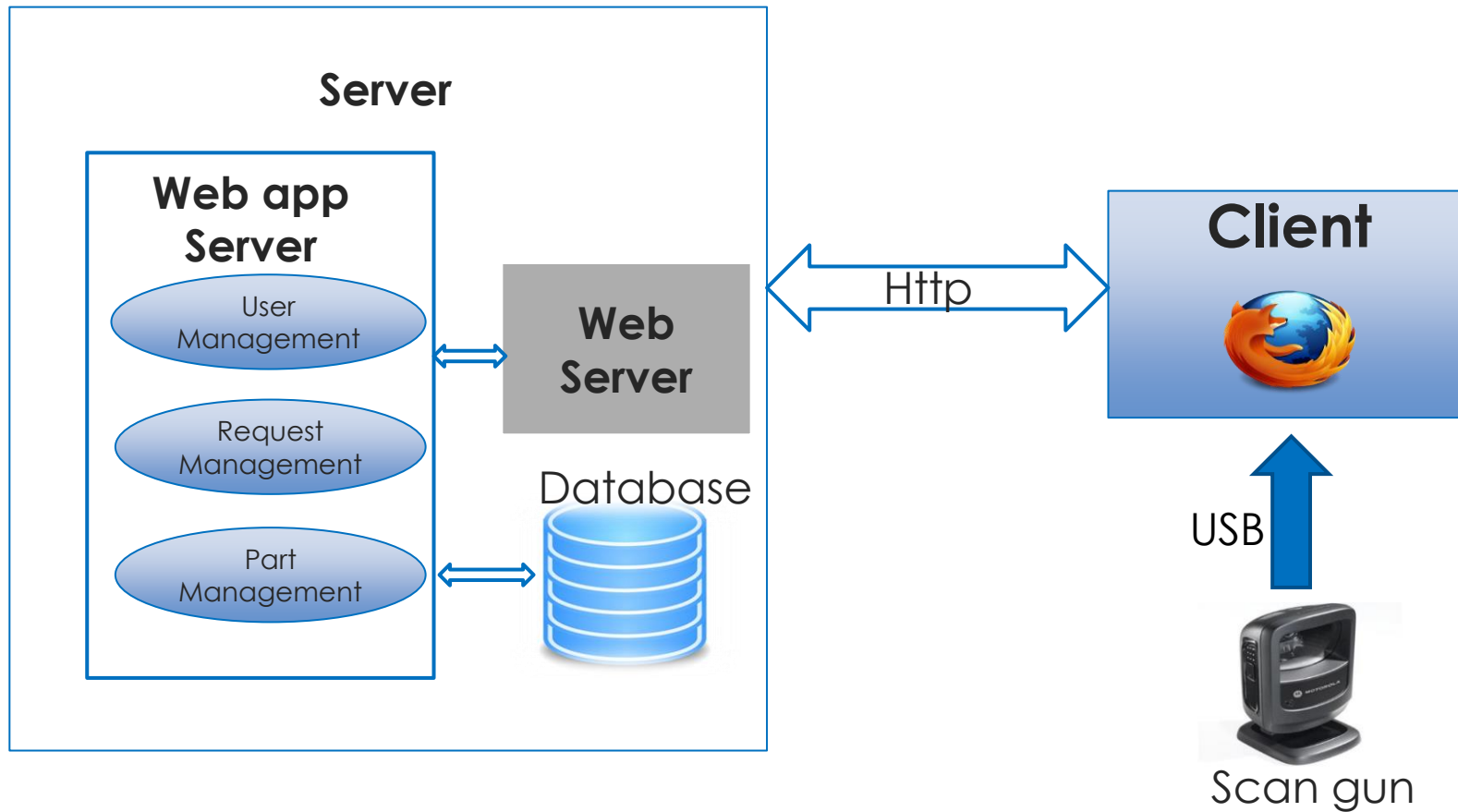
Specifications

- A database that keep records of parts and their quantities, users, requests and approvals
- Generating a unique QR code for each part.
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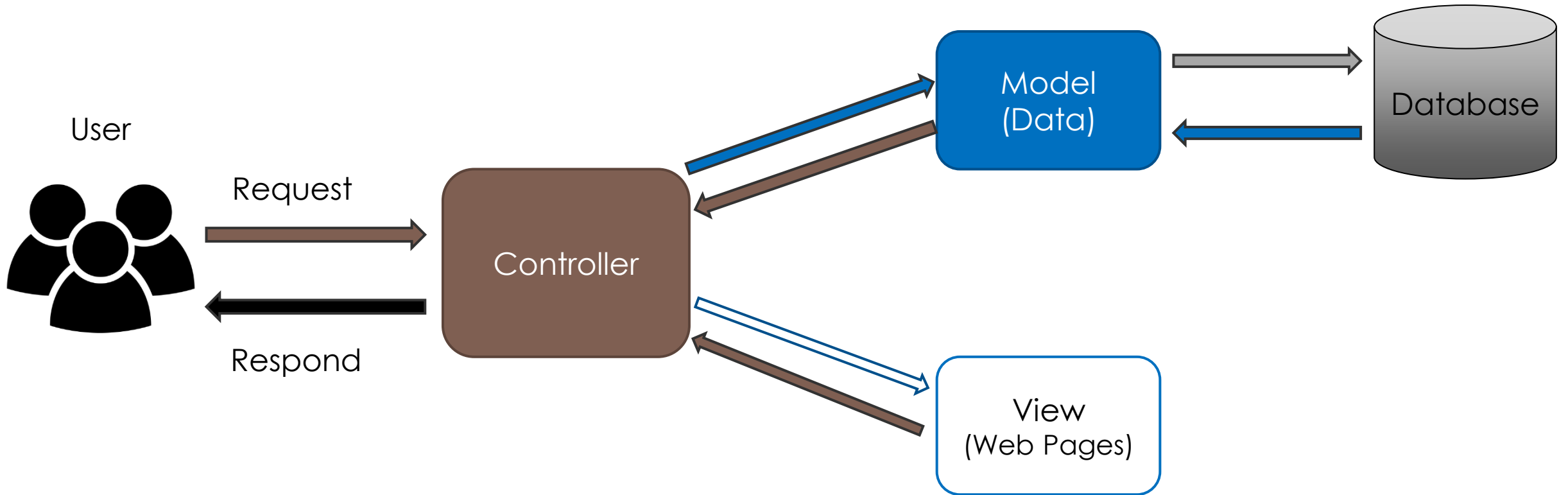
Use Case Diagram



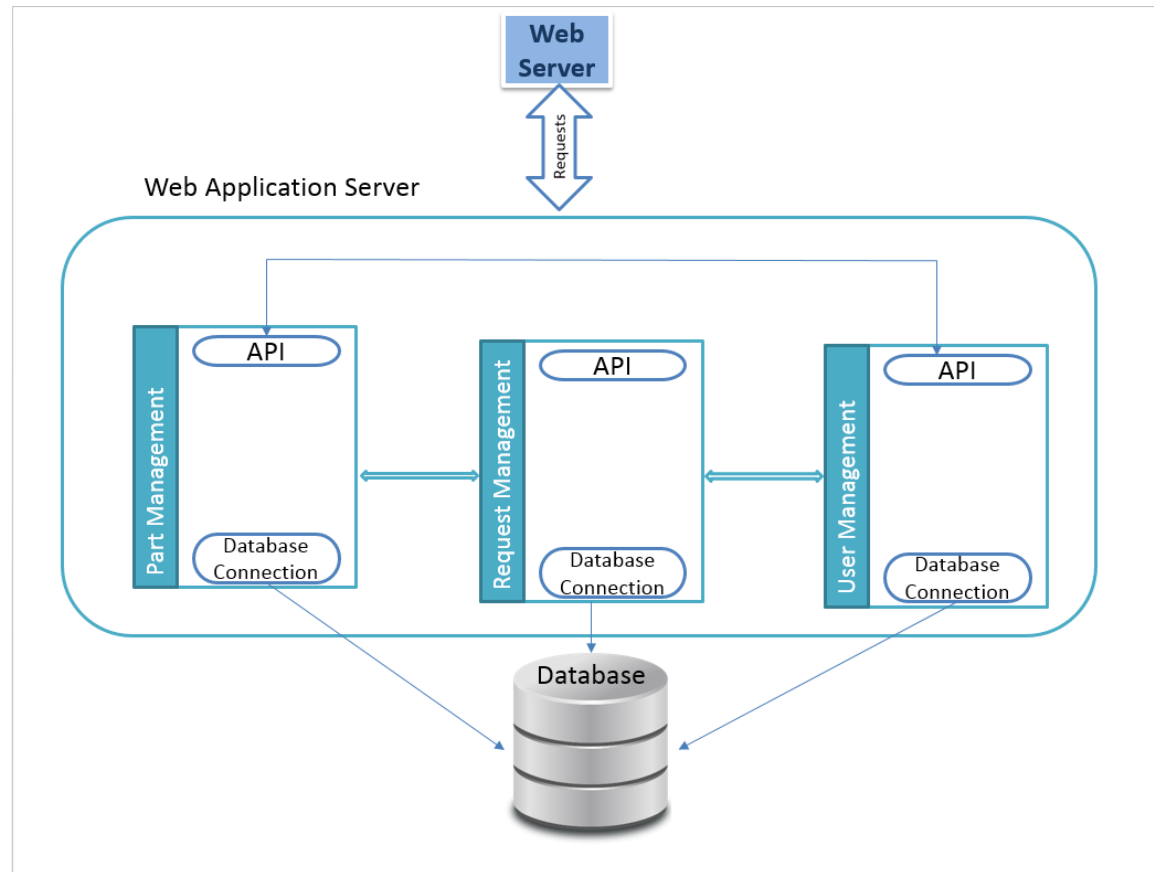
System Architecture



Web App Design Pattern

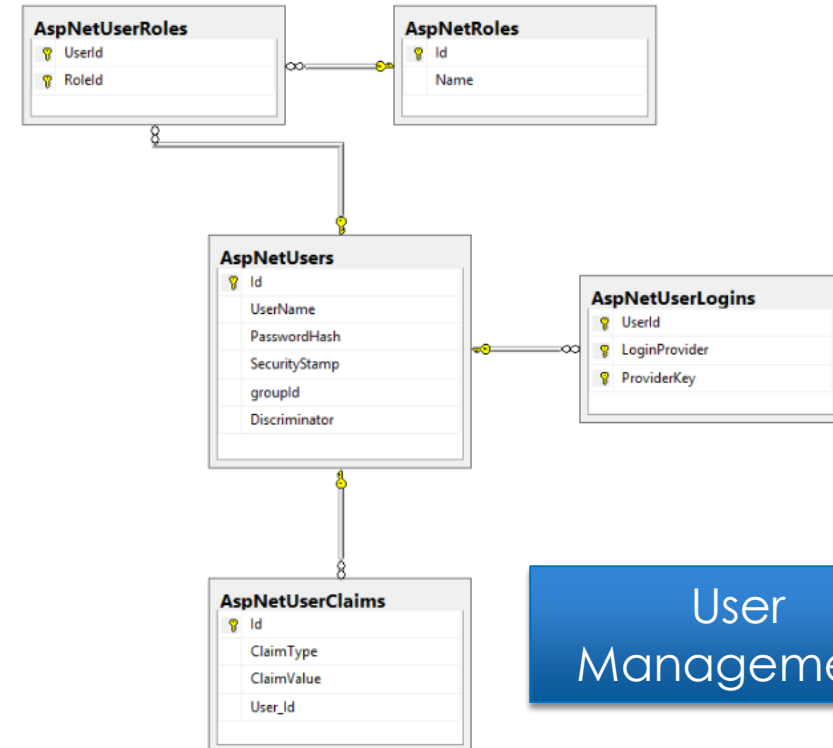
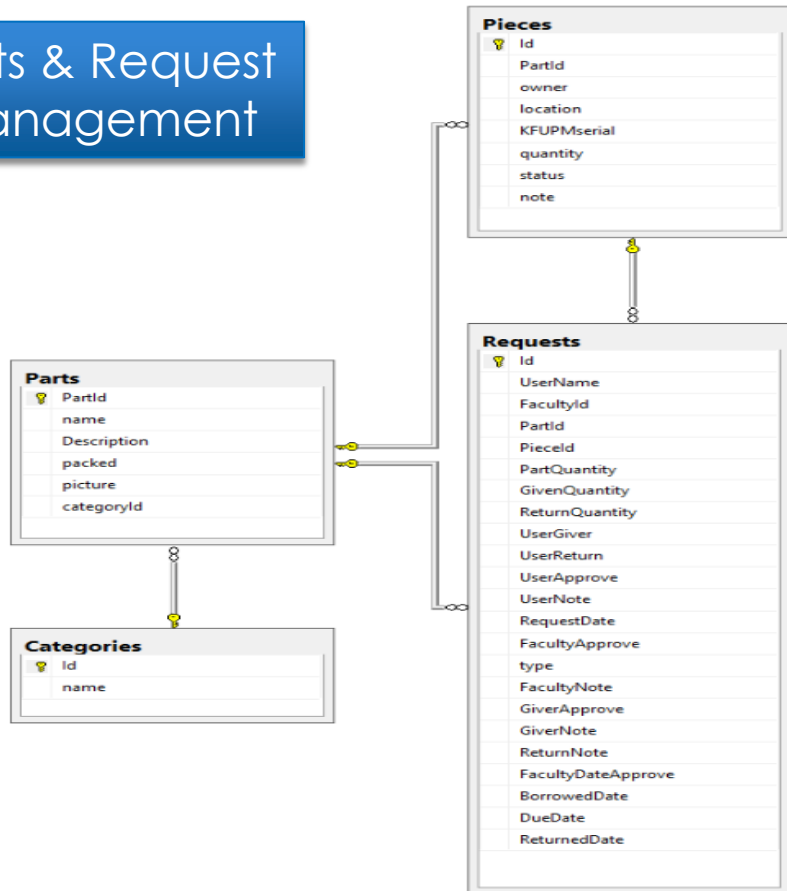


Web Application Components



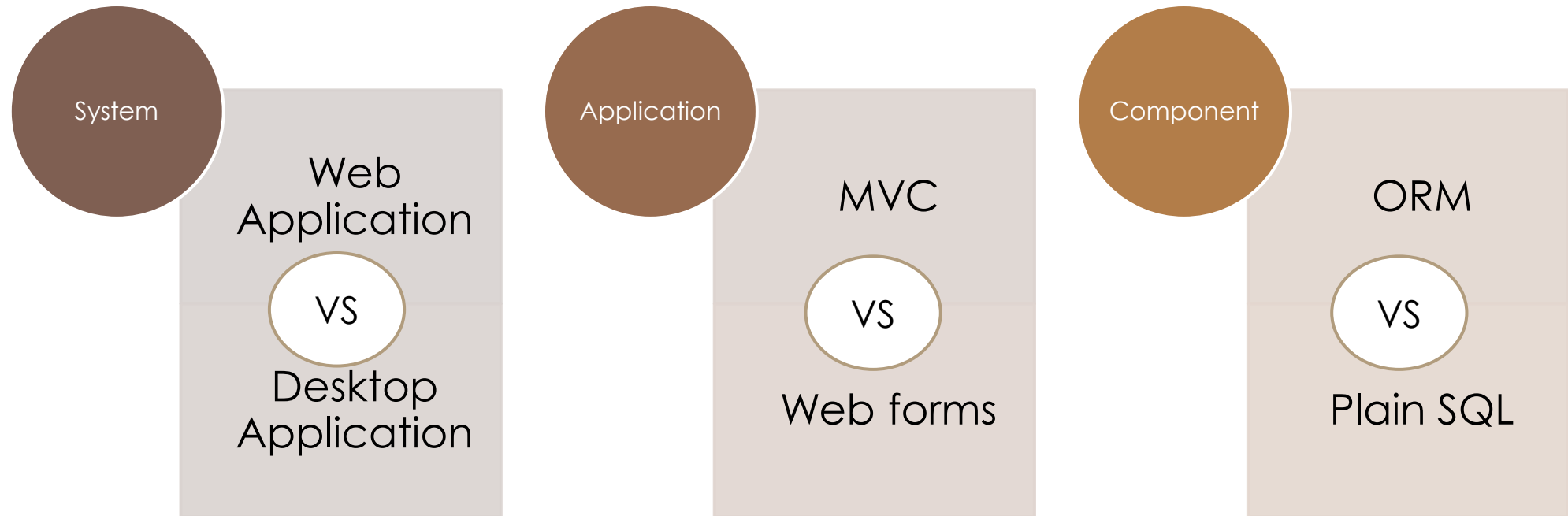
Components (Database)

Parts & Request Management

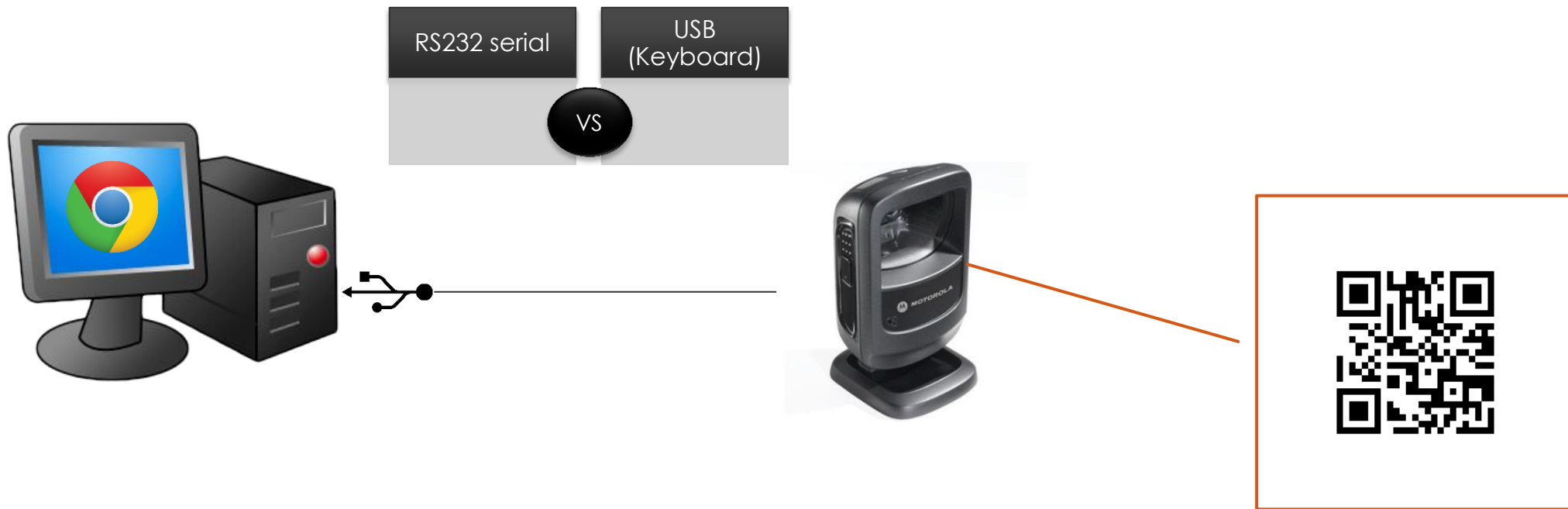


User Management

Decisions



Hardware Component (Scanner)



Frameworks

play 



Microsoft[®]
.NET
MVC 5

C#

django



Framework



C#

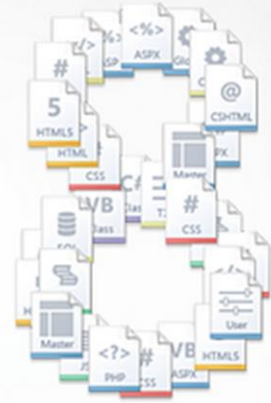
Entity Framework

Razor

Deployment



IIS



 **Windows Server**
Internet Information Services 8.0

microsoft.com/web



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Demo

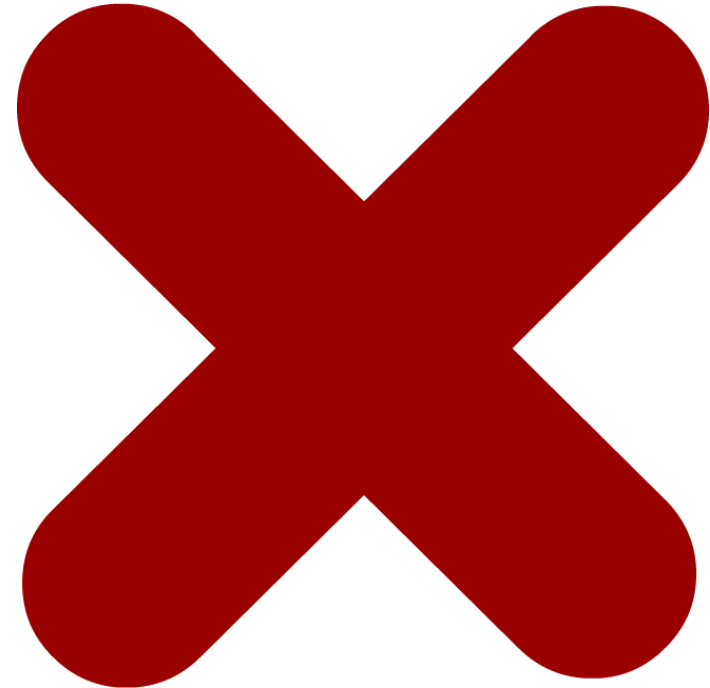
Security

PasswordHash	SecurityStamp
AMRYPdFasTewM1d2OAZPg3MNV3YkxFKYHG42togQE0Kh/ifU...	ee3d905e-18e9-414f-9de6-03b8f83f5e99
AJr2nRCgy0scvTxb/dBq6RpTWUbyBz9U9kp8DYv8+xtJXyE/Le...	2ac905d6-6ee4-4f0d-8f67-6934fc2c9b03
AFEr2/Momw6hK4NPmbFuQ7VsyncTHoEUE6yvguBxjC9LntKATzj...	296ea1b9-318c-40ab-af91-085bbd28f132
AMpj6J316NkDnEgJN3TrPhzAkZYpFpxZr5J/VPzAc7/M5nOc5U...	1c0ee664-94a2-47b7-baf7-dae4cd02f75d
AE1uS4vlelPigDpgqUKlev/YQFDTwj4GUa29/Vy2m+PXmZMkttq...	dbdd31c1-ac3b-4a04-baf9-99713ebfa452

<http://www.EXAMPLE.com/webpages/about.html>

protocol domain name directory filename and extension

Parts of a URL



Questions

