**Server Specifications**

A server is a piece of computer hardware or software (software) that delivers functionality to other programmes or devices known as "clients." The client–server model is the name for this architecture. Servers can provide a variety of functions, sometimes referred to as "services," such as exchanging data or resources across several clients or executing computation on behalf of a client. Several clients can be served by a single server, while a single client can access multiple servers. A client process can run on the same device or connect to a server on a different device over a network.

The **three** main hardware components to consider when choosing a web server are :

* CPU/GPU or processor,
* Memory (RAM) and
* Hard drive (storage)

For the wheelchair web application project, we would need a decent CPU/GPU for computation and some hard drive space for hosting web applications.Some of the most relevant servers are:

# **Dell PowerEdge T640:**

Specs:

| Processor | ‎2.4 GHz intel\_xeon |
| --- | --- |
| RAM | ‎32 GB |
| Hard Drive | ‎480 GB SSD |

| **Configuration** | **Cheapest** | **Most Expensive** |
| --- | --- | --- |
| *Price*: | Around $1,300 | Around $6,300 |
| *CPU*: | 1 x Intel Xeon Bronze 3204 | 1 x Intel Xeon Gold 5218 |
| *RAM*: | 8GB ECC | 32GB ECC |

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# **HP ProLiant ML30 Gen10 Tower Server:**

specs:

| Processor | ‎3.3 GHz intel\_xeon\_mp |
| --- | --- |
| RAM | ‎64 GB DDR4 |
| Hard Drive | ‎8 TB Solid State Hard Drive |

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# **HPE ProLiant ML350 Gen10 Tower Server (Preferred):**

specs: