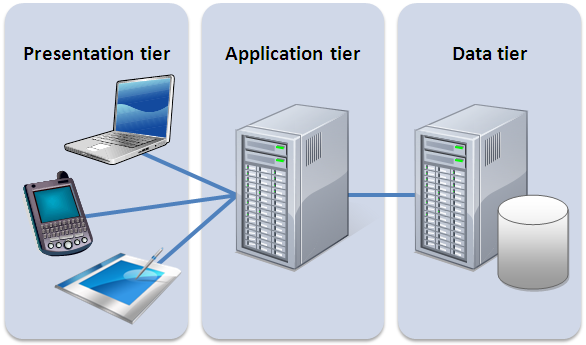
**Software architecture (high-level/architectural design + main design decisions)**

Architecture style = use the three-tier architecture (combination of the layered and client-server architecture)



Source (picture): <https://managementmania.com/en/three-tier-architecture>

Presentation tier: HTML, CSS, Bootstrap

Application tier: Javascript, AngularJS, PHP, Ajax

Data tier: MySQL ([www.phpmyadmin.net](http://www.phpmyadmin.net))

Pros of using the three-tier architecture:

* **More secure** – full control over each particular tier’s security (some might require more security than others like the server and database)
* **Easily scalable** – upgrade individual tiers without affecting the other tiers
* **Easily maintained** – you can make changes to a particular tier without affecting the other theirs

Source (video about pros): <https://www.youtube.com/watch?v=KlHvRKSH4pk>

**Motivation of the design choices and how the requirements have affected the design choices**

* The three-tier architecture is commonly used for web-applications. So it is a well-tested architecture in real life scenarios.

reason why we chose to go for a database instead of cookies when saving inputted data etc. = if you use a different computer or if you deleted your cookies, then all of your previously inputted data will not be available. It is also extremely annoying to re-enter all of the several input values.