7. HIGH-LEVEL SYSTEM ARCHITECTURE

We use ASW(Amazon Web Services) for our server and My SQL for your database. The front-end development uses Chrome develop tools, Angular for front-end framework, Express for back-end framework, node.js, Bootstrap, JQuery and Github.

**Amazon Web Services**: Our web will be hosted on Amazon Cloud, which offers security cloud storage, file backup, file sharing etc.

**My SQL**: MySQL is an open source relational database management system ([RDBMS](http://searchsqlserver.techtarget.com/definition/relational-database-management-system)) based on Structured Query Language. MySQL runs on virtually all platforms, including [Linux](http://searchenterpriselinux.techtarget.com/definition/Linux), [UNIX](http://searchenterpriselinux.techtarget.com/definition/Unix), and [Windows](http://searchwindowsserver.techtarget.com/definition/Windows). (http://searchoracle.techtarget.com/definition/MySQL)

Linux: an Unix-like, open source and community-developed operating system for computers, servers, mainframes.

Unix: is an operating system that originated at Bell Labs in 1969 as an interactive time-sharing system.

Windows: A Microsoft operating system.

**Chrome develop tools**(DevTools for short) are a set of debugging tools built in Google Chrome.

DevTools provide deep access into internals of the browsers and web application.

**Angular** is a client side framework. It uses HTML as template language. Like jQuery, it is included into a page using the <script> tag, and is itself written in JavaScript.

**Express** is a server side framework. It helps to organize the application's routing and use many templating solution to decrease the amount of work. Addition, Express.js, the “E” means software stack.

Every software stack includes an operating system, database, server, and development platform.

**Node**.**js** is a platform built on Chrome's JavaScript. **Node**.**js** uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. ( <https://www.tutorialspoint.com/nodejs/nodejs_introduction.htm> )

**BootStrap** is a free collection of tools for creating a websites and web applications. It contains HTML and CSS-based design templates.

**jQuery** is a javascript library. It manipulates HTML to create movement and animation on the webpage. jQuery simplifies the HTML's client-side scripting, thus simplifying Web 2.0 applications development.

**Github**: is a web-based Git or version control repository and Internet hosting service

Github provides a platform to share an entire project as repo among a team or to the whole world.