

Liquid Galaxy Project

Backend Technology

CMS (Content Management System):

There are a lot of CMS platform providers, either free or with subscription, for example:

- **Wordpress** - is a free popular platform that can act as part of an internet hosting service, or on a local computer as its own web server;
 - In the backend, Wordpress is based on **PHP** to allow support for more human-readable permalinks (URL that is intended to remain unchanged for a long period and time, being very easy for users to type and remember);
- **Pulse CMS** - is a software designed for helping the developer to add content to an existing site and manage it easily;
- **Backdrop CMS** - is part of the Drupal project for providing affordable CMS for small and medium-sized organizations;
 - Backdrop can be extended with its various modules;
- **SharePoint** - is a software that combines cloud and web based technologies, with the role of making

storing, sharing and managing digital information within an organization easier;

- **Joomla** - is an open source CMS platform used for website development:
 - Just like Backdrop, Joomla offers over 6000 extensions, with responsive templates for web and mobile;
- **Documentum** - is a content management platform. The content is stored securely, even though content may reside on multiple servers and physical storage devices within a networked environment;
- **TerminalFour** - is a platform that provides web content management systems (WCMS);

Students Chat:

- **IRCCloud** - is a platform created on IRC (internet relay chat) for real-time discussions;
- **G-Suite** - was created by Google for teams and small businesses. On this platform users can create web conferencing, file sharing and schedules;
- **BlueJeans Video Communications** - has the ability to create cloud-based conferencing service;
- **Mattermost** - offers private and public cloud solutions with secure messaging across web, mobile and PC with archiving, search, and deep integration across systems;

- **Cisco Spark** - provides a collaboration platform for teams to create, meet, message, call, whiteboard, and share;
- **Clinked** - is used by businesses because of the ability of sharing, integrated group chat, task management, discussions forums, team calendars, branded mobile app and more;

Students Community:

- For students community there are cloud platforms like:
 - **Bitrix24** - is a social intranet software used for instant messaging, group chat, videoconferencing and likes;
 - **Tribe** - is a cloud platform for online communities. Integrated with messengers and social media. Users can follow topics or people within the community;
 - **Website Toolbox** - is an easy to use forum in the cloud;

Publishing photos on the web:

- **Google Drive** - is used for file sharing, with multiple users able to modify shared files;
- **Flickr** - has the same usage as Google Drive but mainly for photos;

- **Dropbox** - is useful for storing all types of files, being easy to access the database on the go (on iOS and Android);
- **Microsoft OneDrive** - is not as good as Flickr for sharing photos but it is suitable for storing files;
- **Adobe Creative Cloud** - offers a number of different cloud-based storage solutions for photos. It provides photography-oriented storage with the option of approving friends to add photos to one shared folder;