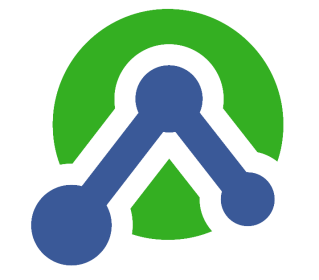
**SIPSI – Momentum**



**SPECIFIKACIJA KORIŠĆENIH ALATA/TEHNOLOGIJA ZA IZRADU APLIKACIJE**

**Verzija 2.0**

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1.Spisak alata/tehnologija korišćenih za izradu aplikacije

Platforma

* PHP Storm 2016.1

Back End

* PHP 7.0
* Symfony 2.8
* Doctrine
* MariaDB(10.1)/MySQL Database

Front End

* HTML 5
* CSS
* JavaScript
* jQuery
* Bootstrap
* React

PHP Storm

*Php Storm provides an editor for PHP, HTML and JavaScript with on-the-fly code analysis, error prevention and automated refactoring for PHP and JavaScript code. Php Storm's code completion supports PHP 5.3, 5.4, 5.5, 5.6 & 7.0[2] (modern and legacy projects), including generators, co routines, the finally keyword, list in for each, namespaces, closures, traits and short array syntax. It includes a full-fledged SQL editor with editable query results*

Symfony 2.8

*Symfony is a PHP web application framework for MVC applications. Symfony is free software and released under the MIT license.*

*Symfony aims to speed up the creation and maintenance of web applications and to replace repetitive coding tasks*.

Symfony je framework koji smo korisntili u back end-u zato što podržava MVC framework I u sebi ima implementiran veliki broj stvari za djelove koda koje bi morali da kucamo ručno.

Doctrine

*One of the most common and challenging tasks for any application involves persisting and reading information to and from a database. Although the Symfony full-stack Framework doesn't integrate any ORM by default, the Symfony Standard Edition, which is the most widely used distribution, comes integrated with Doctrine, a library whose sole goal is to give you powerful tools to make this easy.*

Doctrine podržava pri kodiranju entiteta ustvatri specificiramo tabele za bazu podataka, pa je onda veoma jednostavno napraviti bazu podataka. Pisali smo entitete uz pomoć Doctrine i kasnije se mogla generisati čitava baza sa svim zavisnostima u tabelama.

MariaDB(10.1)/MySQL Database

*MariaDB is a community-developed fork of the MySQL relational database management system intended to remain free under the GNU GPL. It is notable for being led by the original developers of MySQL, who forked it due to concerns over its acquisition by Oracle.[4] Contributors are required to share their copyright with the MariaDB Foundation.[5]*

*MariaDB intends to maintain high compatibility with MySQL, ensuring a "drop-in" replacement capability with library binary equivalency and exact matching with MySQL APIs and commands.[6] It includes the XtraDB storage engine for replacing InnoDB,[7] as well as a new storage engine, Aria, that intends to be both a transactional and non-transactional engine perhaps even included in future versions of MySQL.*

Koda baze podataka praktično nismo ništa već se uz pomoć Doctrine sve izgenerisalo. U projektu smo samo morali da specificiramo parametre baze kako bi mogli da je dohvatimo.

HTML 5/ CSS

Korišćeno za front end dio aplikacije, da napravimo korisnički interfejs, kao i njegovo ljepše dizajniranje.

JavaScript

Korišćen pri popunjavanju formi da korisnicima signaliziramo nepavilnosti na korisničkoj strani. Takodje neke njene biblioteke su korišćene za dinamičke komponenete na klijentskoj strani.

Bootsrap

*Bootstrap is a free and open-source front-end web framework for designing websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. Unlike many web frameworks, it concerns itself with front-end development only.*

Bootstrap framework je front end framework I u sebi ima definisane stilove I omogućava skalabilnost interfejsa na sve veličine ekrana što je veoma bitno. Takođe ima u sebi ugrađene javascript i css funkcionalnosti.

jQuery

*jQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML.[3] jQuery is the most popular JavaScript library in use today, with installation on 65% of the top 10 million highest-trafficked sites on the Web.[4][5][6] jQuery is free, open-source software licensed under the MIT License.[2]*

jQuery je koriscen za ajax pozive u front end-u. Omogućava nam ponovno učitavanje samo jednog dijela stranice a ne čitave, što je mnogo ljepše za korisnike aplikacije. Kod glasanja I postavljanja objave smo to koristili.

React

*React (sometimes styled React.js or ReactJS) is an open-source JavaScript library providing a view for data rendered as HTML. React views are typically rendered using components that contain additional components specified as custom HTML tags. React promises programmers a model in which subcomponents cannot directly affect enclosing components ("data flows down"); efficient updating of the HTML document when data changes; and a clean separation between components on a modern single-page application.*

React je koriscen za dinamicke komponente u front-end-u, kao što su dugmići za brisanje objave ili prebacivanje u neku sekciju(in progress, done).