

Requirements Document

1 Introduction

In modern life we face a lot of sorts of schedules everywhere. Process of scheduling is a quite complicated, time-consuming and routine process, but mainly it is not automated, and all work performed by people. This web-application will generate a schedule according to parameters, which will be introduced by the user. The process of entering the information will be useful thanks to various filters and settings. All information entering by the user will be saved, for this user will need to be registered and log in to his/her account. The resulting schedule can be downloaded in various formats.

2 User Requirements

2.1 Software Interfaces

The application will be developed using the JavaScript programming language, its framework AngularJS and software platform Node.js. Also will use HTML (HyperText Markup Language), CSS (Cascading Style Sheets) and Bootstrap 3 framework.

2.2 User Interfaces

This document attached images with an exemplary design of application.

2.3 User Characteristics

This web-application will be useful for all people and organizations that require the forming of a variety of schedules. Create his/her schedule can any PC user.

2.4 Assumptions and Dependencies

This web-application may not work properly in the browser Internet Explorer.

3 System Requirements

3.1 Functional Requirements

1. True scheduling algorithm
2. Correct work in most Web browsers
3. User Registration
4. The ability to authenticate via social networks
5. Storage of user-entered information
6. Implementation of various filters and settings
7. Export Scheduling in different formats

3.2 Non-Functional Requirements

1. Performance Server (quick scheduling)
2. Intuitive adaptive interface
3. Optimization (ability to work even when using mobile internet)