# Project Plan

## Basic Information

Group: Din17sp

Group 1: Oleksandr Gudenko, Florian Brandsma

Git rep. link: https://github.com/OleksandrGudenko/DevBasicSkills2017-Group1

Tools required: Visual Studio Code, Balsamiq

## Project Overview

### Planning phase

* Creating project plan

Creating a project plan containing an overview of project phases and their schedule, planned activities in each phase and work time estimates for each activity.

Estimated time: 5 hours

Total estimated time: 1 day

### Design phase

* Research

Determining the target audience and required features.

Estimated time: 5 hours

* Create UI mockups

Create multiple UI mockups to determine the best layout.

Estimated time: 1 day

* Design finalization

Create a final UI design using previously created mockups.

Estimated time: 1 day

Total estimated time: 3 days

### Implementation phase

* Web development

Create a functional webpage based on the final UI design using HTML and CSS.

Estimated time: 6 days

* JavaScript

Create the following math tools:

1. Number system conversions

Create a tool for numbering system conversions.

Estimated time: 1 day

1. Number system outputs

Print a table showing decimals 0-50 in BIN, OCT and HEX systems.

Estimated time: 1 day

1. Combinatorics

Create a simple tool for Combinatorics. The tool is used to calculate either combinations or permutations.

Estimated time: 1 day

1. Truth tables

Create the basic set of truth tables for basic operations.

Estimated time: 1 day

1. Random values

Create a tool to test random number distributions.

Estimated time: 1 day

1. Temperature converter

Create a tool to convert Celsius in centimeters to Fahrenheit.

Estimated time: 1 day

Total estimated time: 12 days

### Final phase

* Testing

Make sure all the tools and functions work as intended.

Estimated time: 2 hours

* Debugging

Eliminating errors encountered during testing.

Estimated time: 5 hours

* Finalizing

Prepare the product for delivery.

Estimated time: 3 hours

Total estimated time: 10 hours