# Teamwork Project Assignment for the [PHP Course @ SoftUni](https://softuni.bg/courses/php-basics/)

Design and implement a **Blog** / **Photo Album** / **Audio Album using PHP and HTML / CSS / JavaScript**. Your project must meet all the requirements listed below.

## Requirements

* **Use PHP** – the major part of your work should be PHP written by your team
  + You must additionallyuse **HTML5, CSS3** to create the content and to stylize your web application
  + You may optionally use **JavaScript, jQuery**
  + User **PHP 7 and OOP**
* **Work in team** – all team members should contribute
  + **Use GitHub** or other source control systemas project collaboration platform
  + **Each team member should have commits in 5 different days**
* Publish your project **live in Internet** – your project should be public in Internet
  + You may **share your project** to get external feedback
  + Most shared and commented projects will get additional **bonus score**
* **Valid and high-quality PHP, HTML and CSS**
  + Follow the best practices for PHP development: <http://www.phptherightway.com>, <http://www.php-fig.org/>, [https://phpbestpractices.org](https://phpbestpractices.org/)
  + Validate (when possible) your HTML (<http://validator.w3.org>) and CSS code (<http://css-validator.org>)
  + Follow the best practices for **high-quality PHP, HTML and CSS**: good formatting, good code structure, consistent naming etc.
* **Usability, UX and browser support**
  + Your web application should be easy-to-use, with intuitive UI, with good usability
  + Ensure your web application works correctly in the latest HTML5-compatible browsers: Chrome, Firefox, IE, Opera, Safari (latest versions, desktop and mobile versions)
  + You do not need to support old browsers like IE9

## Forbidden Techniques and Tools

Using **CMS / blog systems** (like WordPress, Drupal and Joomla), **forum systems** (like phpBB), **photo album system**s (like Plogger) and **audio album systems** (like kPlaylist) is forbidden, all kinds of **PHP** **frameworks**.

## Projects

Please choose one of the projects below.

### Blog

**Required** functionalities:

* **View** all posts (optionally with paging).
* Adding **new posts** by the blog owner (after login or password protected). Each post must have **tags**.
* Adding **comments** for every post by visitors – each visitor must fill out his name, email (optionally) and comment text.
* Implement a simple **registration** for users.
* Use MySQL derivate as a **database** (like MySQL, MariaDB, PerconaDB).

**Optional** functionalities:

* **Counter of visits** for each post.
* Implement a sidebar holding a **list of posts** sorted by month / year / etc. and a list of the **most popular tags**.
* Functionality for **searching** by tags.
* **Admin panel**: add / edit / delete posts, comments, tags, etc.

### Forum

**Required** functionalities:

* **View** all questions / categories (optionally with paging).
* Implement a simple **registration** for forum users.
* Adding **new question** by the forum users. Each question may have **tags** and **category** (optionally).
* Adding **answers** to the questions by the forum visitors – each visitor must fill out his name, email (optionally) and comment text.
* Use MySQL derivate as a **database** (like MySQL, MariaDB, PerconaDB).

**Optional** functionalities:

* **Counter** for visits for each question.
* **Admin panel**: add /edit /delete forum posts, tags, answers, categories.
* Implement **categories** for the forum questions.
* Functionality for **searching** by question, answer and tags.

### Photo Album

**Required** functionalities:

* **View** all albums / categories (optionally with paging). **Browse** album photos.
* **Creating** new album in a category.
* **Uploading photos** (validating pictures size and type) / **downloading** photos.
* Implement a simple **registration** for users.
* Adding **comments** to photos and albums.
* Use MySQL derivate as a **database** (like MySQL, MariaDB, PerconaDB).

**Optional** functionalities:

* Implement album's **ranking system** (e.g. vote from 1 to 10 or like / dislike).
* Show the most **highly ranked** albums in a special section at the main page.
* Functionality for **searching** by album name / category.
* **Admin panel**: add / edit /delete albums, photos, comments.

### Audio Album

**Required** functionalities:

* **View** all playlists / genres / songs (optionally with paging).
* **Listening** to songs online. **Downloading** songs.
* Implement a simple **registration** for users.
* **Uploading songs** (validating file size and type).
* Adding **comments** to songs and playlists.
* Use a **database** (like MySQL or MongoDB) or cloud-based data storage (like MongoLab and RedisLab).

**Optional** functionalities:

* Ability to organize music in **playlists**.
* Implement playlists' and songs' **ranking system**. Show the most **highly ranked** playlists in a special section at the main page.
* Functionality for **searching / filtering** by playlist name / song name / genre.
* **Admin panel**: add / edit /delete songs, playlists, genres, comments.

## Deliverables

Put the following in a **ZIP archive** and submit it (each team member submits the same file):

* The complete **source code** of your project (PHP, HTML, CSS, images, scripts and other files).
* A **presentation** of your project (e.g. PowerPoint slides) of your project. It should provide the following information:
  + Project name and purpose – what you have created?
  + Team name, list of team members.
  + Contributions of each team member.
  + Technical description.
* Any other information (optionally).

## Public Project Defense

Each team will have to deliver a **public defense** of its work in front of the other students, trainers and assistants. Teams will have **only 10 minutes** for the following:

* **Demonstrate** the web application (very shortly).
* Show the **source code** and explain how it works.
* Explain how each team member has **contributed**: display the commit logs in the Source Control System you are using.
* Optionally you might prepare a **presentation** (3-4 slides).

Please be **strict in timing**! On the 10th minute you **will be interrupted**! It is good idea to leave **the last 2 minutes for questions** from the other students, trainers and assistants.

Be **well prepared** for presenting maximum of your work for minimum time. Bring your own laptop. Test it preliminary with the multimedia projector. Open the project assets beforehand to save time.

## Assessment Criteria

* **Functionality** (all the required functionalities according to the type of project you choose) – **0…12**
* **Overview** (HTML / CSS / Usability / UX) – **0…2**
* **Code quality** (correct naming, code formatting, separation of concerns, etc.) – **0…3**
* **Teamwork\*** (GitHub used; each team member contributed in 5 different days; distribution of tasks) – **0…3**
* **Bonus** (bonus point are given for implementing optional functionalities according to the type of project you choose) – **0..5**

\* If not all team members have contributed to the project, this **does not affect** the Teamwork points.

## Give Feedback about Your Teammates

You will be invited to **provide feedback** about all your teammates, their attitude to this project, their technical skills, their team working skills, their contribution to the project, etc. The feedback is important part of the project evaluation so **take it seriously** and be honest.