

## phpBB Google Summer of Code Proposal

### Technical

- Explain the problem that you want to solve.

phpBB lacks support to share and link to social network sites such as Facebook, Twitter among others. This is an issue since nowadays the best way to share content fast is to allow users to do a share within a social network. The best and easiest way to do this is through a system that allows such.

- Explain the benefits that solving this problem will bring to users or phpBB.

Users will be able to share straight from the forum, first of all making easy for the user to post to a social network without leaving the forum and also this will allow a proper display in the social network as well, opposed to the typical unreliable link. This will be welcoming for new users to forums and also will empower the features of phpBB.

- Break down your project into component parts. Make a list of the parts.

Design Social network settings Panel and API keys (including storage, UI and tests)

- Facebook
- Google+
- Twitter

Post Interface update to allow social share experience

- Define syntax and URL paths
- Design User Interface for sharing while on page
- Define Tests
- Look and Feel and backlinks to forum

An interface that allows to supply further sharing backends based on the ones worked before.

- Which parts depend on other parts? Which can be worked on concurrently?

The interface is the main area and development of the UI depends strongly on the completion of the sharing interface for several social networks. Also, the user interface within the post or forum for users heavily depends on the completion of the admin settings in order to be able to use the stored information(API keys etc) in order to give functionality to the UI designed(Buttons, Dialogs) to complete the request within the social network.

- Which parts are essential to your proposal?

The most essential parts are the extensible interface to set as a base for further development of the settings of different social networks.

Besides that, the second essential part of my proposal is the UI within the forum/posts to give functionality to the user, using the information provided in the admin settings.

- Which parts can be omitted if development takes longer than you expect?

Look and Feel and be further developed if time is running out, and basically implementing less social networks could also be helpful. Initially Covering one or two such as Facebook or Twitter should be enough, but thinking about others such as Instagram, Pinterest, Stackoverflow among others could be within the scope of the project.

- Develop a rough timeline. It should account for design, development and testing of each component part. Be sure to build in time to adjust the code based on reviews, and to fix bugs found in testing.

## **Timeline**

Before 19 May: Study how at least 2 social platform API's work with external plugins.

19 May: Planning of framework and decision on structure of Interface and Plugin itself.

Writing down function signatures for all functions that will be exposed as a part of the plugin and other helper functions.

26 May: Create extensible interface that acknowledges basics of social networks\* Write functions to be further used as a setting for social networks and try to add known functionalities for them. Also to check whether the given interface complies with at least ⅔ of the social networks targeted.

02 June: Implement and define classes and preferences for Facebook based on the extensible interface\*

Write functions to actually save the API keys, create direct sharing links, modify database etc.

09 June: Add checks for the provided Data

Include a way to verify the correct completion and implementation of data with Facebook for the written preferences.

16 June: Design the User Experience and UI for the settings panel in a stylish way so admins can add the needed information in an easy way.

Make sure that the API of facebook and the written class is working properly

Writing automated tests for the plugin.

23 June: Mid term submission.

30 June: Writing Tests for API and entered information verification

Write more comprehensive tests and fix any bugs that might be encountered.

Release Alpha version of the module with the plugin and information verifier for review and feedback.

07 July: Integration with phpBB post interface.

Integrate buttons, dialogs and UI into the current interface in order to allow usage of the developed functions.

14 July: Feedback and improvement on the UI

Quick user feedback on proposed look and feel and further fixes for UI on the post page or forum page.

21 July: Modification of plugin to correctly work with the Social Network

Modify the plugin accordingly to make sure that the interface complies with the one from Facebook, Twitter and Google+ and check for correct user interface on the social network.

28 July: Writing Tests for the front end with the integrated functions for posts and forums

Write Tests and add additional coverage on the front end using assertions independent from external resources (Social Network logos etc).

Finish Documentation.

Release Beta version of the module.

04 Aug: Clean up UI

Make the interface of the plugin more intuitive and better in terms of design.

11 Aug: Wrap up

18 Aug: Final submission

## Personal

- Who are you? What are you studying?

My name is Sebastian Sanchez, im a Master Student at Universitat Zurich. I'm Majoring from a BA in Computer Science and im studying my master in People Oriented Computing(MsC Inf.) Currently i'm 25 Years old and worked for several orgs.

- What experience relevant to your proposal do you have?

I worked in other organizations with porting of modules, among them Drupal TMGMT which is strongly correlated with sharing of information on social networks.

The plugin is centered towards translation and sharing of the translations. Besides that, i've been developing for a company called MDSystems and working on features of sharing with drupal. A good example of this is the website <http://www.letemps.ch>.

- Why are you the right person to implement your proposal?

I have a strong background in php. Almost 5 years of development, i participated in other open source orgs before such as drupal where i have over 50 Commits. I understand CI, TDD and versioning. Plus im majoring on POC which has a strong correlation with human computer interfaces, affordances and signifiers.

- Have you used phpBB?

Yes, since 2008 with my first forum.

- Have you modified phpBB?

I have a Pull Request standing but nothing besides that.

- Have you submitted any pull requests to phpBB, and have any of them been accepted?

I have submitted one, here is the link <https://github.com/phpbb/phpbb/pull/5168>. I'm still waiting for a developer to either merge or give me feedback on the matter as of 23.03.2018.

- How many hours are you going to work on this a week? 10? 20? 30? 40?

40 A week, 5 Days a week 8 hours a day at least.

- Do you have other commitments that we should know about? Examples of this are student jobs, internships, university overlapping with the 3 months of Google Summer of Code.

My only job during the summer will be the Google Summer of Code, im will on vacation from university from the 1st of June.

- What is your GitHub username, phpBB username, IRC username?

Github: juanse254

phpBB: juanse254

IRC: juanse25\_ on freenode

- What time zone are you in?

GTM +1 (Central Europe)

- Are you comfortable working with a mentor who is several time zones away? Have you worked in this style before?

I have done it before several times and i have no problem with it, i appreciate day as much as night so there's no difference for me.

- How will you track your work?

Jira or Trello are good ways to track where i'm going and from where.

- What is your native language?

Spanish.

- Where do you live, and can we assign a mentor who is local to you so you can meet in a coffee shop for lunch?

I live in Zurich, Switzerland. That would be awesome!