

Saveyour

User Guide

Draft 1.0

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Saveyour Team

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1. Introduction

Saveyour is an organizational, productive application that contains weekly to-do's, calendars, agendas, notes, etc. into one tool. Its target in particular is the college student; however, entrepreneurs, professors, and busy individuals will find the tool useful as well!

Saveyour supports modularized, toggleable windows that can be customized by other developers.

There will be a button to quickly hide and unhide Saveyour as a reference to one's schedule in a glance. Saveyour is able to take one's tasks and look through one's weekly to-do in order to find an available time to assign those tasks to do.

1.1 About this user guide

This user guide is meant to help new users get familiar with Saveyour's functionality. Some parts of this guide might be unclear or assume that you know too much about Saveyour already, so we encourage you, the user, to let us know if there is any way at all that this document can be improved. Should you wish to provide suggestions about improving this document, please feel free to reach out to the Saveyour team with an email to saveyourteam@gmail.com or file an issue at our [GitHub page](#).

2. Overview

2.1 Features

Some of Saveyour's features include:

Modules

This is the word you will be seeing a lot throughout this guide. A "module" is what Saveyour uses to hold some specific type of functionality. Below you will see the different modules that Saveyour offers out of the box.

Quicknotes

The Quicknotes module allows you to quickly add text-based notes to view within your workspace.

Homework

The Homework module allows students to add subjects and create tasks with due dates for homework.

Weekly To-Do

The Weekly To-Do module displays days of the week as well as tasks that are required throughout that week. Color-coded analysis allows you to determine workload quickly and easily (red - busy, yellow - somewhat busy, green - plenty of freedom).

Google Calendar

Displays your Google Calendar for quick reference incase Weekly To-Do itself does not do the job! (Requires Google login information)

Modularization

Saveyour is modular. This means that instead of using one window to manage all different modules of Saveyour, each module gets its own window. We at Saveyour know that your workspace may be constantly changing. To accommodate for this, Saveyour's modular tendencies allow you to show or hide modules based on your current needs.

Free and open source

Saveyour is an open source project and is licensed under the [Apache License](#). We encourage users with programming experience to fork our [GitHub repository](#) to attempt to add functionality. See the [Extensibility section](#) to learn more about extending Saveyour. If you believe your functionality should be incorporated into a future Saveyour release for everyone to use, feel free to submit a [pull request](#)!

2.2 Why Saveyour?

We believe the modular aspect that Saveyour provides for your workspace will increase productivity and allow for more personalized task management. Although Saveyour is still in its early phases, we believe that the underlying design to support modularization and add-ons has the potential to allow for incredible future functionality.

3. Tutorials

3.1 Getting Started

The following sections introduce the core features of Saveyour in order to help you get started.

Part 4, [*Installing Saveyour*](#)

Describes how to install Saveyour.

Part 5, [*Starting up Saveyour*](#)

Details what you will see when you first open Saveyour and how to get registered and logged in.

Part 6, [*Core functionality*](#)

Describes what modules you will see once you have logged in. This section will detail each of the core modules and how to use them.

Part 7, [*Extensibility*](#)

Explains how you can get started developing your own module.

4. Installing Saveyour

4.1 Prerequisites

4.1.1 Supported operating systems

Currently Saveyour is only available for the Windows operating system, and is only supported for Windows 7, Windows 8, and Windows 8.1.

4.1.2 Additional requirements

4.1.2.1 Internet connection

Currently, an internet connection is required in order to use the Saveyour application. We would like to add the ability to work locally by frequently saving snapshots of your data in a future release, but we do not currently have an ETA on when this will be implemented.

4.2 Download

You can obtain the Saveyour-setup.exe file containing the latest release of the Saveyour application from the [Saveyour website](#). At the website, click on the button labelled “Download!” to begin downloading to your computer.

4.3 Unpacking

The Saveyour distribution you download is, as previously stated, packaged as a setup executable (.exe). The full distribution contains:

- the Saveyour.exe.
- the SaveyourUpdate.dll which is used to update to the latest release.
- the Modules folder containing plugins that Saveyour.exe will interpret on startup.
- this user guide.
- the ServerCertificate.pem file which is used to securely establish a connection to the Saveyour database.
- additional uninstaller files should you wish to completely remove Saveyour from your system.

5. Starting up Saveyour

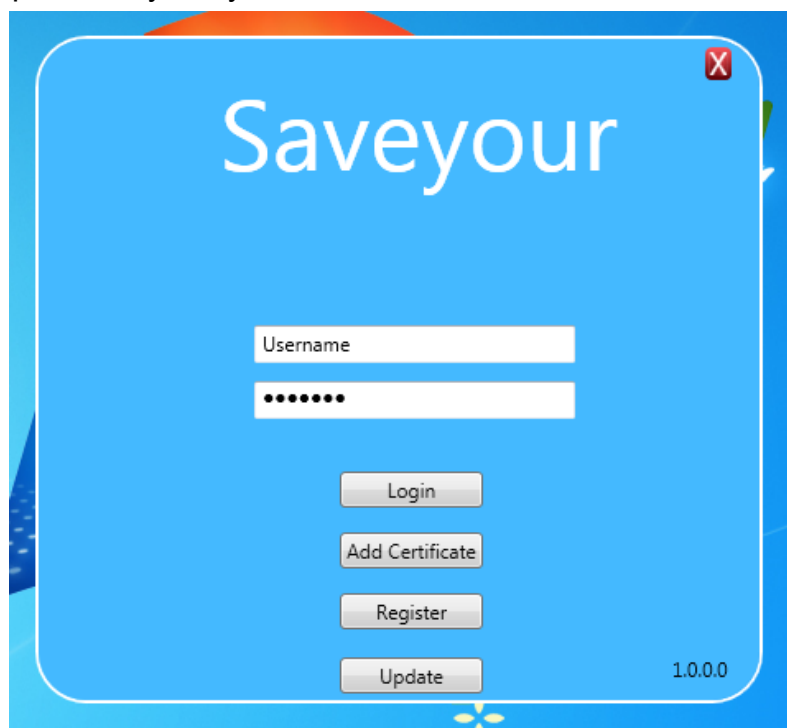
5.1 Opening the Saveyour application file

In order to begin using Saveyour, you're going to need to know which file to open, right? The correct file in the package that will start Saveyour is Saveyour.exe. It may appear as "Saveyour" in Windows Explorer with a file type of "Application".

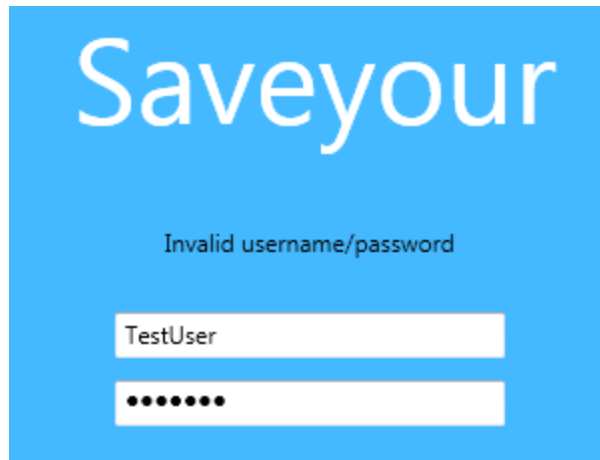
If you chose to add a shortcut to your desktop during installation, you may use that to start the application instead.

5.2 Logging in

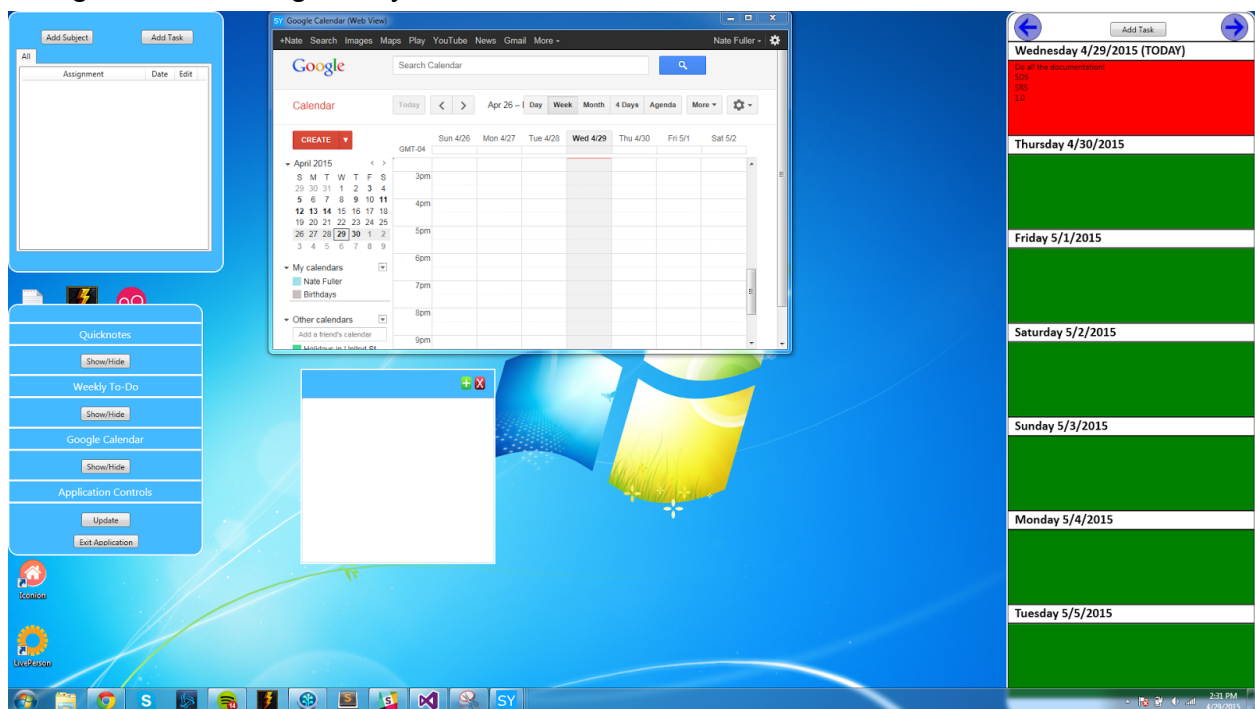
When you first open Saveyour, you should see a window that looks something like this:



If the username/password pair does not appear cannot be found in Saveyour's system or if the password is incorrect, you will be prompted with an error stating "Invalid username/password". Please double check that you are entering the correct information:



If you have already registered with Saveyour and have a username and password, fill in the “Username” and “Password” fields, then click “Login”. After a brief wait, your core modules should load up indicating that you have successfully logged in and you can now get started using Saveyour:



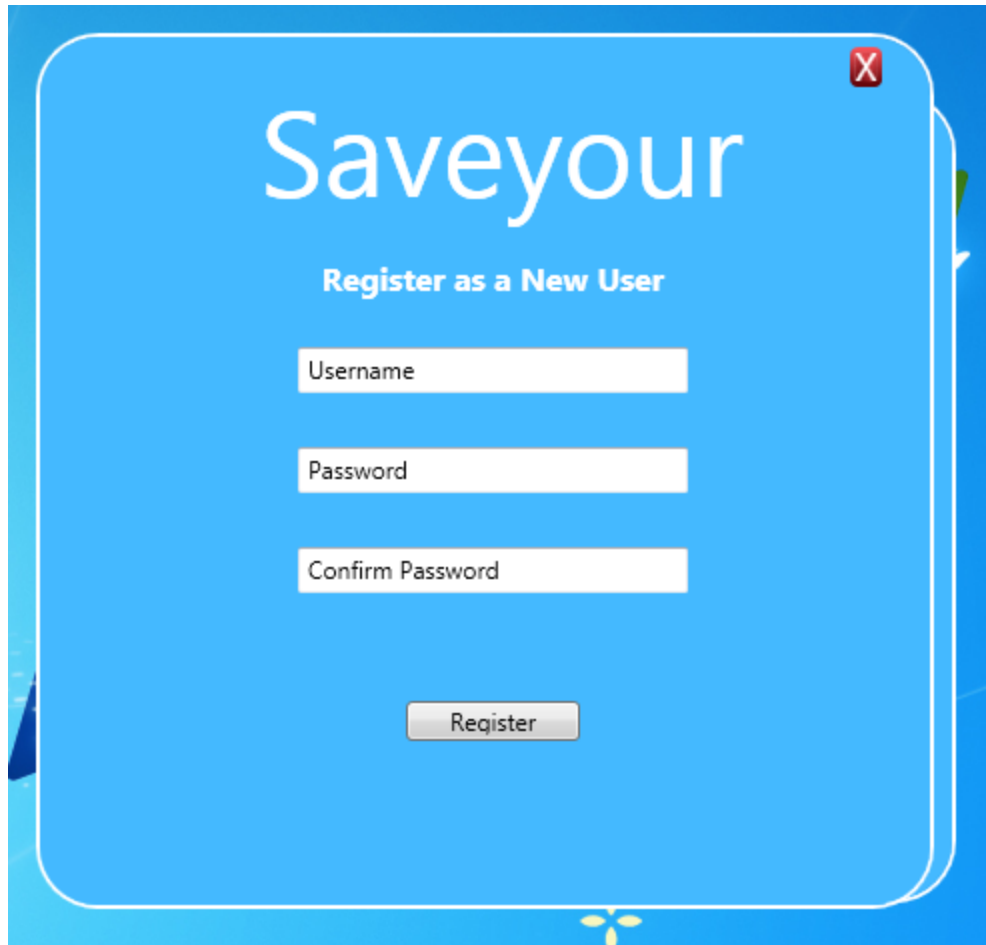
5.3 Adding a certificate

Before you attempt to login, click the “Add Certificate” and confirm on the resulting pop-up. This is necessary to talk to the server and access your Saveyour data.

5.4 Registration

If you have not already registered and do not have an existing username or password, you will need to register. Fortunately, this is a quick and easy process.

At the login window, click the “Register” button. A new “Register” window will appear:

A screenshot of a web application's registration window. The window has a light blue background with rounded corners and a white border. At the top right, there is a red square button with a white 'X' icon. The title 'Saveyour' is displayed in a large, white, sans-serif font. Below the title, the text 'Register as a New User' is centered in a smaller, white, sans-serif font. There are three white input fields stacked vertically, each with a label above it: 'Username', 'Password', and 'Confirm Password'. At the bottom center, there is a grey button with the word 'Register' in white text. The window is set against a dark blue background with some abstract light blue shapes.

Enter in your desired username and password (which will need to be confirmed in a second entry field) and press the “Register” button.

If the username you input is taken by another user, the text immediately above the “Username” field will display “Username already exists!”. Try a different username if this is the case.

If what you enter into both the “Password” and “Confirm Password” fields do not match, the text immediately above the “Username” field will display “Password fields don’t match!”. Please double check that you are entering your password correctly into both fields.

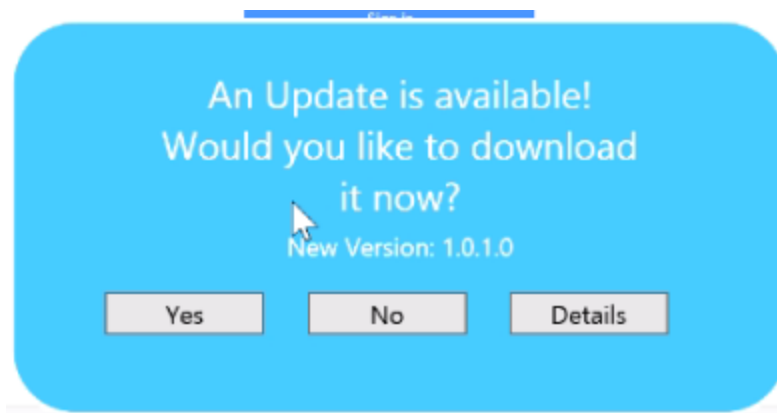
Once you input a unique username and correctly input your desired password into both fields, clicking “Register” will result in the text immediately above the “Username” field to display “Successfully Registered!”. At this point, it is safe to close the Register window and login with the information you have just created back at the Login window.

5.5 Updating Saveyour

Clicking the “Update” button will establish an internet connection with Saveyour’s release repository to check if an updated version of Saveyour has been released.

If you have the latest version of Saveyour, a dialog stating “There are currently no updates available. You are already running the latest version of Saveyour!” will appear. Press “OK” to exit this message box and continue logging into or registering with Saveyour.

If a new version has been detected within Saveyour’s release repositories, a dialog will appear stating the following: “An update is available! Would you like to download it now?”. This dialog will also display the version number of the new version that was detected:



Clicking “Yes” will begin the update and restart Saveyour.

Clicking “No” will close the window and allow you to continue working with the version you currently have installed.

Clicking “Details” will display a window with more information including:

- Your current Saveyour version.
- The version of the available update.
- A description of the update.



Note: This same process can be reached while logged into Saveyour through use of the Settings module's "Update" button.

5.6 Security

Saveyour aims to keep your information secure. In order to do so, we use the Bcrypt library which makes use of blowfish hash to encrypt your password.

Saveyour will also make a secure TLS connection with our database in order to retrieve your information safely.

6. Core functionality

6.1 Settings module

The Settings module allows you to:

- show and hide specific modules by clicking a button.
- [update Saveyour](#).
- close the Saveyour application.

6.2 Quicknotes module

The Quicknotes module allows you to save text-based notes. You may choose to have one Quicknote with lots of text, or to create new Quicknotes to store separate information.

6.2.1 Using a Quicknote

Simply click into the text field on the Quicknote module and enter whatever text you like.

The text of this Quicknote will save to the Saveyour cloud next time you **close** the module.

Note: The text will not be saved to the Saveyour cloud if you choose to show or hide the module via the Settings module, or if you lose focus of the Quicknote.

6.2.2 Creating a new Quicknote

In order to create a new Quicknote, click on the plus (+) button in the top right corner of one of your currently existing Quicknote modules. This will spawn a new Quicknote for you.

6.2.3 Removing a Quicknote

If you decide that you no longer require a Quicknote, click the “X” button in the top right corner of the Quicknote that you wish to remove. That Quicknote will then disappear.

Note: This Quicknote will not longer be saved to the cloud and will no longer be accessible once it has been removed. Also keep in mind that if you remove all of your Quicknotes, logging out and then back in will create a new Quicknote for you to use.

6.3 Weekly To-Do module

The Weekly To-Do module allows you to create tasks with a date that you explicitly specify at the time of task creation.

6.3.1 Tasks

A task is an entry in your Weekly To-Do module. Tasks have a title, description, and a date. The date of a task indicates where in your Weekly To-Do module that task will appear.

6.3.2 Creating a task

To create a task, click the “Add Task” button at the top of the Weekly To-Do module. This will spawn an “Add Task” window. There, you will see “Title” and “Description” text fields, a calendar tool, and the “Difficulty” slider.

The screenshot shows a web browser window with a tab titled 'SaveyourDemo.mp4'. The main interface has a header with a left arrow, an 'Add Task' button, and a right arrow. Below the header, the date 'Wednesday 4/29/2015 (TODAY)' is displayed. The 'Add Task' window is open, featuring a blue background. On the left, a calendar for April 2015 is shown with the 29th selected. The main area contains a 'Title:' text field, a 'Description:' text area with the placeholder 'Enter a description of your task here!', and a 'Difficulty:' slider ranging from 0 to Hard. At the bottom are 'Confirm Task' and 'Cancel' buttons.

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Enter a title that briefly describes your task and optionally enter additional information in the “Description” field.

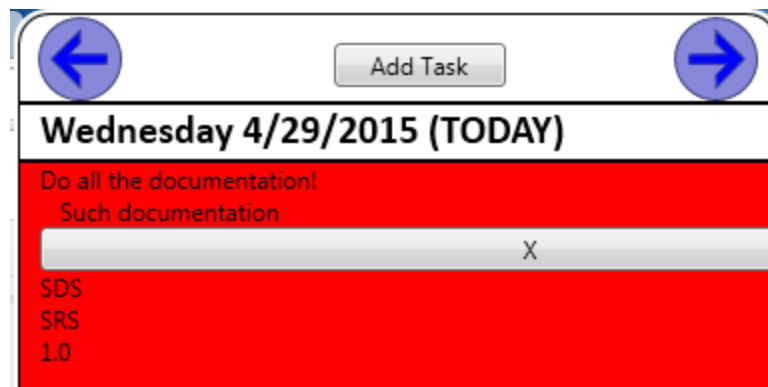
Using the calendar tool, choose the date that you would like to affiliate this task with.

Then, using the “Difficulty” slider, estimate how easy or hard you believe this task to be. This setting allows Saveyour to color code the days in your Weekly To-Do module based on the difficulty of tasks within the day so that you can quickly determine the workload of a day.

Finally, click “Confirm” to finish creating the task.

6.3.3 Navigating the Weekly To-Do module

Now that you have added some tasks to your Weekly To-Do module, you can start looking through previous and future tasks.



Using the arrow buttons at the top left and right of the module you can navigate through weeks before and ahead of the current week.

When you navigate to a day with tasks scheduled, you will see the task titles. In order to view their descriptions, click the title and the description will expand to be shown below as well as a “Complete Task” button. Click on the title again in order to hide that task’s description.

6.3.4 Completing a task

In order to mark that you have completed a task, or to simply remove a task from your Weekly To-Do module, navigate to the task, click on the title, then click on the “X” button that drops down as a result.

Note: This Task will not longer be saved to the cloud and will no longer be accessible once it has been removed.

6.3.5 Difficulty color coding

When you first use Saveyour, the days in your Weekly To-Do module will be colored green. This is because you have no tasks created. Saveyour interprets this to mean that your workload for these days is nonexistent and colors them green to indicate that.

As you continue to add tasks with higher difficulty, those days may be assigned a new color. The color code is as described below:

- Green - Easy to no workload
- Yellow - Easy to moderately difficult workload
- Orange - Moderately to increasingly difficult workload
- Red - Increasingly to very difficult workload

As a rule of thumb you may think of the color coding scheme as the following: the more red the day is, the more difficult the workload is.

6.4 Google Calendar module

The Google Calendar module allows you to simply view a Google Calendar of a Google account of your choice.

When you first start using Saveyour, you will have to log in using your Google account information. This login information is not equal to your Saveyour information. If you do not already have a Google account, you can sign up for a new account [here](#).

6.4.1 Logging into your Google account

At the Google Calendar module, you may be required to log in using your Google account information. Enter your Google email and password and click “Sign In”. The module should then populate with the Google Calendar for the account.

Note: Once logged in, you may receive a dialog stating that “your browser is not supported”. This is a known issue. We suggest that you press the “Cancel” button. This will load a more interactive version of your Google Calendar into the module and will allow you to log out of the current Google account if you wish to view a separate Google Calendar. Pressing “OK” will load a version of the Google Calendar that does not allow you to log out.

6.4.2 Viewing scheduled events

The purpose of the Google Calendar module is to give you quick access to your Google Calendar which might be synced up between your devices.

That being said, if you would like to view an event's details in the module, clicking on that event will bring up the information within a new browser window.

Currently there is no link between your Weekly To-Do module and the Google Calendar module. This is a feature that we would like to add in a future release, but currently does not have an ETA.

6.5 Homework module

The Homework module allows you to keep track of homework assignments for multiple subjects.

6.5.1 Adding Subjects

In order to add a subject, all that is necessary is to click the "Add Subject" on the module. A small window will then pop up that you can double click to clear out the text and input the desired subject. Clicking "Submit" will create a new tab with the desired subject name. You cannot add subjects with blank names.

6.5.2 Adding Tasks

In order to add a task, you must be on a tab other than the "All" tab. Once on a subject tab, click the "Add Task" button.

Add Task

Select Date for the Task

◀ April 2015 ▶

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Description:

Enter a description of your task here!

Confirm Task

Cancel

A window such as this should pop up. After typing in a description of the task and choosing a date, click “Confirm Task” to add the task to the subject. The information in the Homework module will reflect in its corresponding subject tab afterwards

6.5.3 Deleting Tasks

In order to delete a task, you must either be in the corresponding subject tab or in the “All” tab. Clicking on the “X” next to the task in the Subject Tab will delete it from that tab and the “All” tab. If it is clicked in the “All” tab, it will only be removed in the “All” tab. When a task is deleted, the “All” tab will be automatically updated so that it does not contain the deleted task.

6.5.4 Deleting Subjects

To delete a subject, you must be on the subject you want to delete. Clicking the “Delete Subject” button will remove that tab and all of its tasks.

7. Extensibility

As mentioned previously, Saveyour is an open-source project. We encourage developers to add onto Saveyour and submit pull requests should they feel their addition is something the general public would benefit from.

Although the entire client source code is accessible and modifiable, we prefer that additions to Saveyour are made through use of [Plugins](#).

7.1 Build Process Instructions

The client for this project was built on Visual Studio 2013 Ultimate. The code can be found at <https://github.com/Saveyour-Team/Saveyour>. This repository can be cloned by typing in a terminal with git installed: “git clone https://github.com/Saveyour-Team/Saveyour.git”. There is a Saveyour.sln in the Saveyour folder that will open Visual Studio. Clicking “Start” near the top of Visual Studio will build a debug version of the application and run the application. Additionally, selecting the Build tab and then clicking Build Solution will create a executable (.exe) file in Saveyour/Saveyour/Saveyour/bin/Debug.

Note: If you wish to connect to your own server, please change the IP address in the `NetworkControl` class to the corresponding server IP.

7.2 Configuring Plugins

Plugins are used to add functionality to Saveyour. They extend what Saveyour can do outside of what has been originally developed by the Saveyour Team.

7.2.1 Creating a plugin

In order to create a plugin, be sure to build the Saveyour project in order for the /bin/ folder to be created within the Saveyour project context.

In the scheme of the downloaded repository from GitHub, the bin folder will be located at Saveyour/Saveyour/Saveyour/. The first level Saveyour folder is the repository itself, the second level is an additional folder that will contain all projects, and the third level is the Saveyour project itself.

Reminder: You must build the Saveyour project in order to view the bin folder. Otherwise, it will not exist.

To create a plugin, [create a class library](#). You will need to implement the Saveyour-defined `IPlugin` interface. Each plugin will have a `name` attribute and a `Do()` method. The `Do` method is where you define your plugin's functionality.

7.2.2 Incorporating the plugin into the Saveyour project

The files you define in the class library will be built into a `.dll` file in a separate folder. In order to have `Saveyour.exe` recognize your new plugin, navigate to the class library folder using Windows Explorer and copy/paste the `.dll` file into `Saveyour/Saveyour/Saveyour/bin/Debug/Modules`.

7.3 Sample plugin: TaskBatch

Please download this plugin at <https://saveyour.herokuapp.com> and place it in the Modules folder in your Saveyour installation.

The TaskBatch plugin is what is being used in order to create tasks that Saveyour automatically inserts into your Weekly To-Do based on the workload of the days in a range that you specify.

The TaskBatch plugin acts as a way for you to get started.