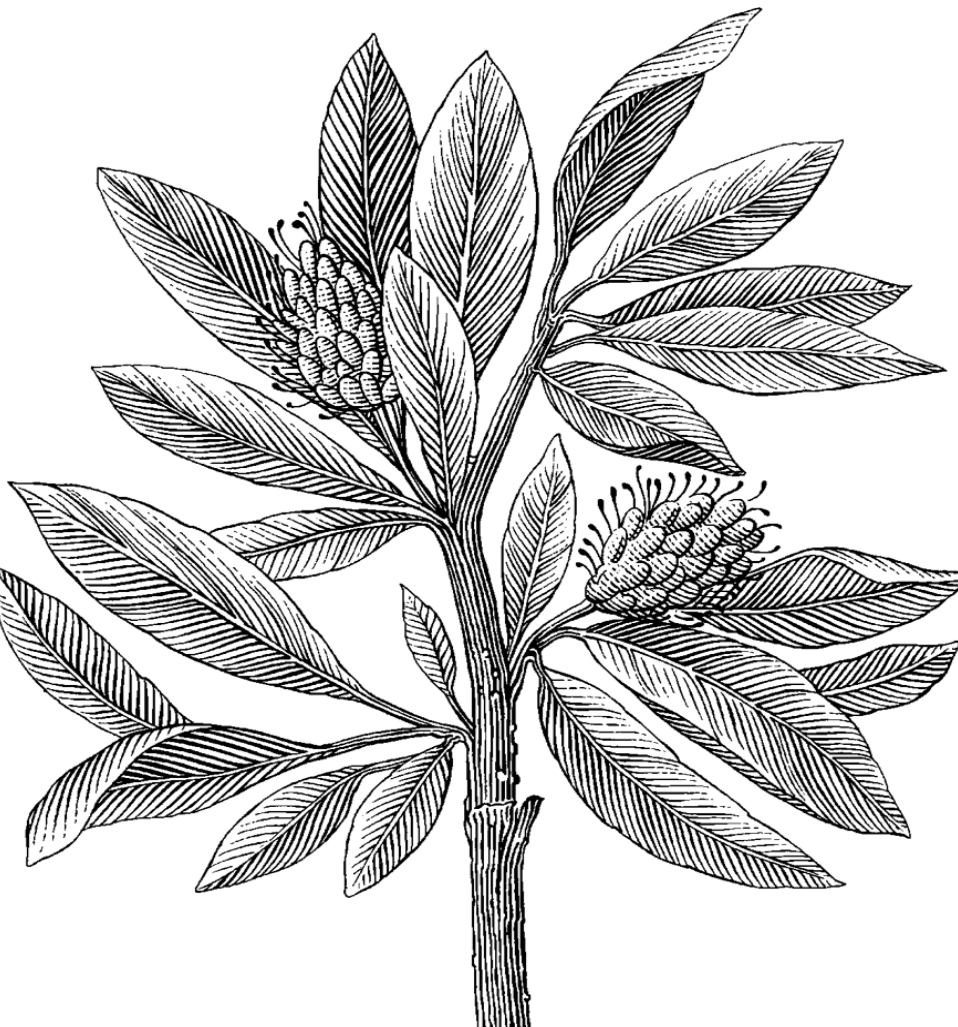




**Linnéuniversitetet**  
Kalmar Våxjö

## User's Manual

# Time Management System



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***Discipline:*** Project Course in  
Computer Science

***Course Code:*** 1DV508

***Semester:*** Spring 2017

# Acknowledgement

We would like to express our special thanks to the Linnaeus University of Växjö, Sweden for providing such an opportunity for the eager students to study at the Computer Science field, so that made it possible for them to design this timeline application.

We would also like to state our gratitude to Mr. Ola Flygt, the head director of the Computer Science of Linnaeus University, Mr. Johan Hagelbäck, the head lecturer of the Project Course in Computer Science, and the respectful substitute lecturers Mr. Jesper Andersson and Mr. Tobias Andersson.

Group 4 hope that making this document is appreciated by the user, and it makes using the application as straightforward as possible for them. Any suitable suggestions and criticism are regarded by the team to make the manual more applicable.

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# 1 Introduction

This document explains the manual for a stand-alone timeline application which is designed by Group 4 of the Project course in Computer Science of Linnaeus University of Växjö, spring 2017. It aims to give the user general guide and information on how to use the application.

## 1.1 System Overview

This application is designed to make timelines that show events. The events can be either of durational or non-durational ones according to the user's preferences. In details, when the user tends to assign a duration to an event, it is possible for them to extend the duration as they desire, and if they want to make a timeline with no duration, they are able to do it as well.

The name "Time Management System" is assigned to this application, and it is projected by Group 4 which is the responsible team for designing it. The coding part is under the programming language of Java, and the process took place at Eclipse and Scene Builder.

The format for entering the dates for the timeline and event is MM/DD/YYYY. The earliest year for each timeline is 1000, and the latest year is 9999.

## 1.2 System Requirements

System requirements in order to run this application is Windows 7 or later, and ios 10 or later.

## 1.3 Points of Contact

For informational and troubleshooting purposes, the user can access to the team through the contact details listed at this part of the document.

Contact Person	Email Address
Jorian Wielink	<a href="mailto:jw222tf@student.lnu.se">jw222tf@student.lnu.se</a>
Mehdi Hmidi	<a href="mailto:mh223vk@student.lnu.se">mh223vk@student.lnu.se</a>
Christian Fagerholm	<a href="mailto:cf222jf@student.lnu.se">cf222jf@student.lnu.se</a>
Amr Hassan Mahmoud	<a href="mailto:am223aq@student.lnu.se">am223aq@student.lnu.se</a>
Aleksandar Risteski	<a href="mailto:ar222yu@student.lnu.se">ar222yu@student.lnu.se</a>
Azadeh Yasani	<a href="mailto:ay222ch@student.lnu.se">ay222ch@student.lnu.se</a>

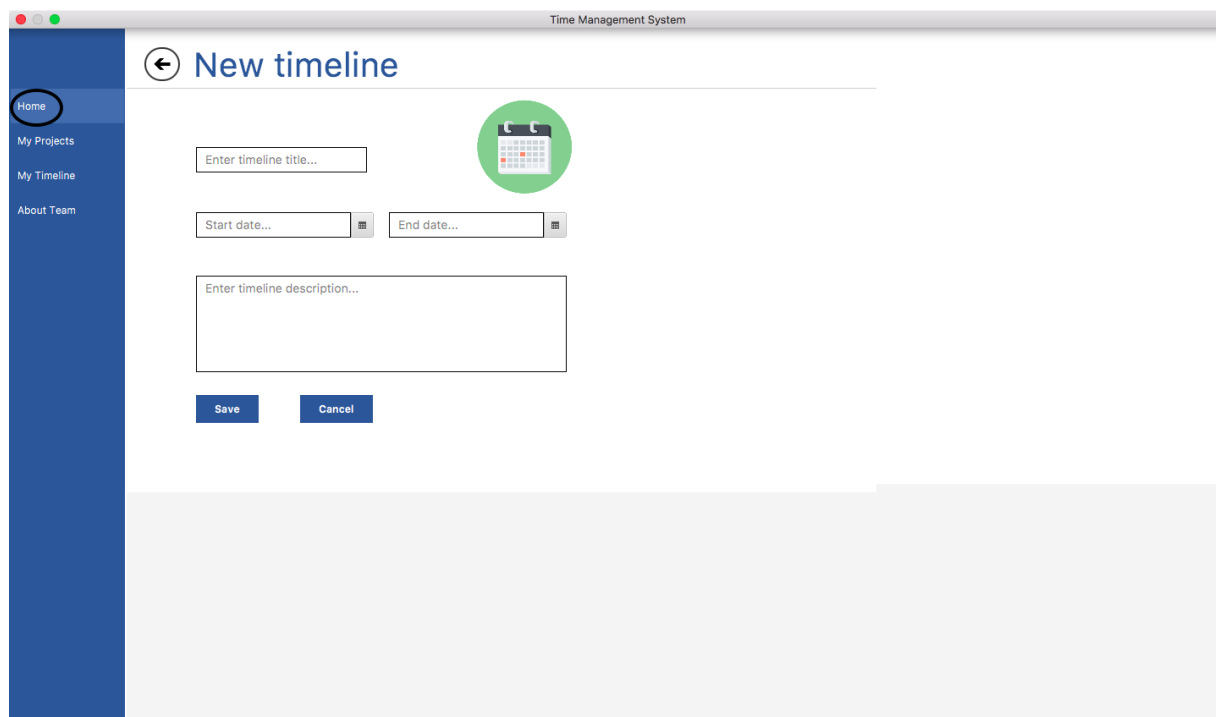
## 2 System Menu

On this part of the document, the user can find how to start working with the application step-by-step. Once a timeline is created and saved, it can be accessed by the user whenever it is required. Every step that are taken during the whole process of making a timeline, creating an event and etc. are listed in details.

The function of each button on the application is presented here as the system functions. The required information and steps are listed in details in order to make the usage of the application easy for the user.

### 2.1 Home

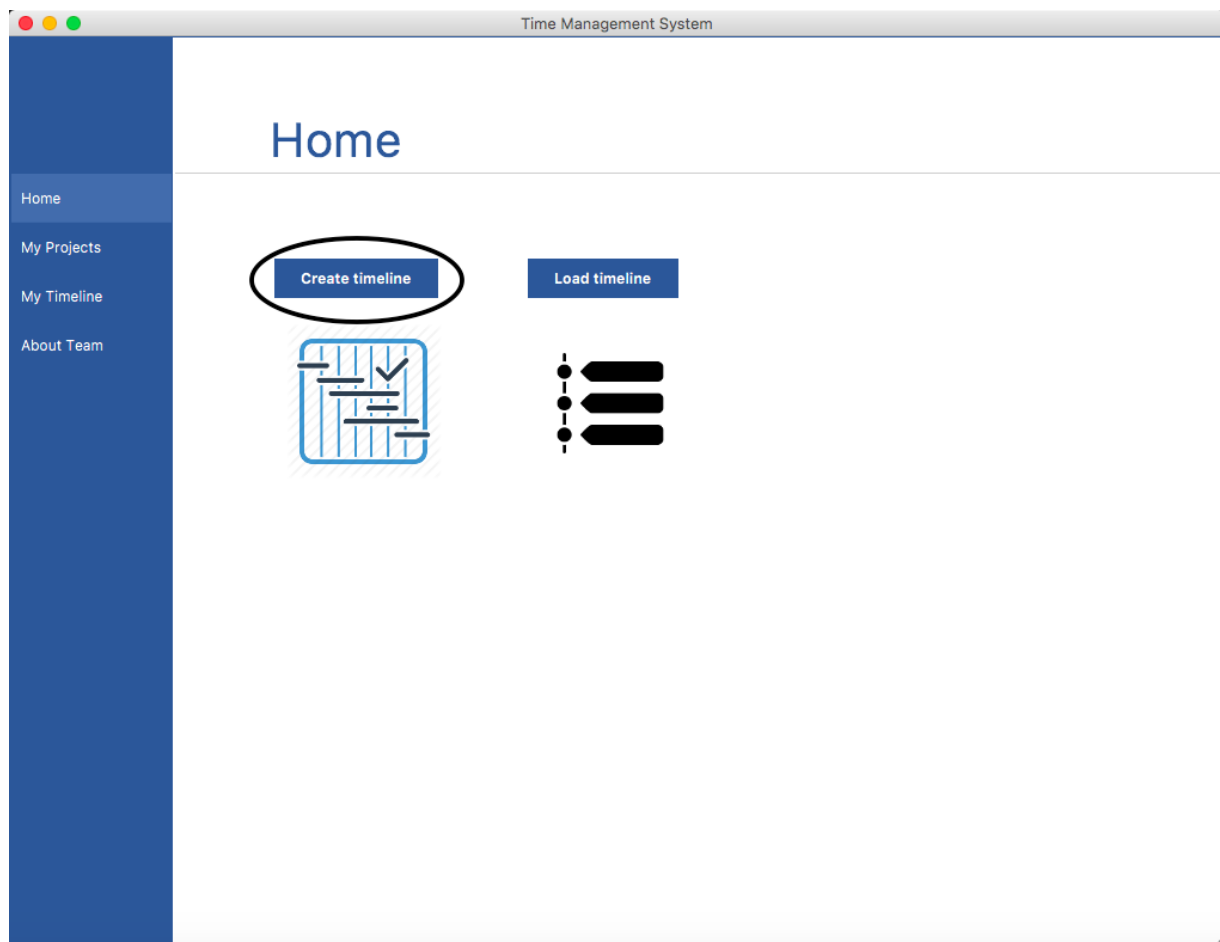
When the user clicks on 'Home' button on the homepage of the application, they will see two buttons: 'Create timeline' and 'Load timeline'.



The screenshot shows a web application window titled "Time Management System". On the left is a dark blue sidebar with a menu containing "Home", "My Projects", "My Timeline", and "About Team". The "Home" item is circled in white. The main content area has a header with a back arrow icon and the text "New timeline". Below this is a form with the following fields: "Enter timeline title..." (text input), "Start date..." (date picker), "End date..." (date picker), and "Enter timeline description..." (text area). To the right of the title field is a green circular icon containing a calendar. At the bottom of the form are two buttons: "Save" and "Cancel".

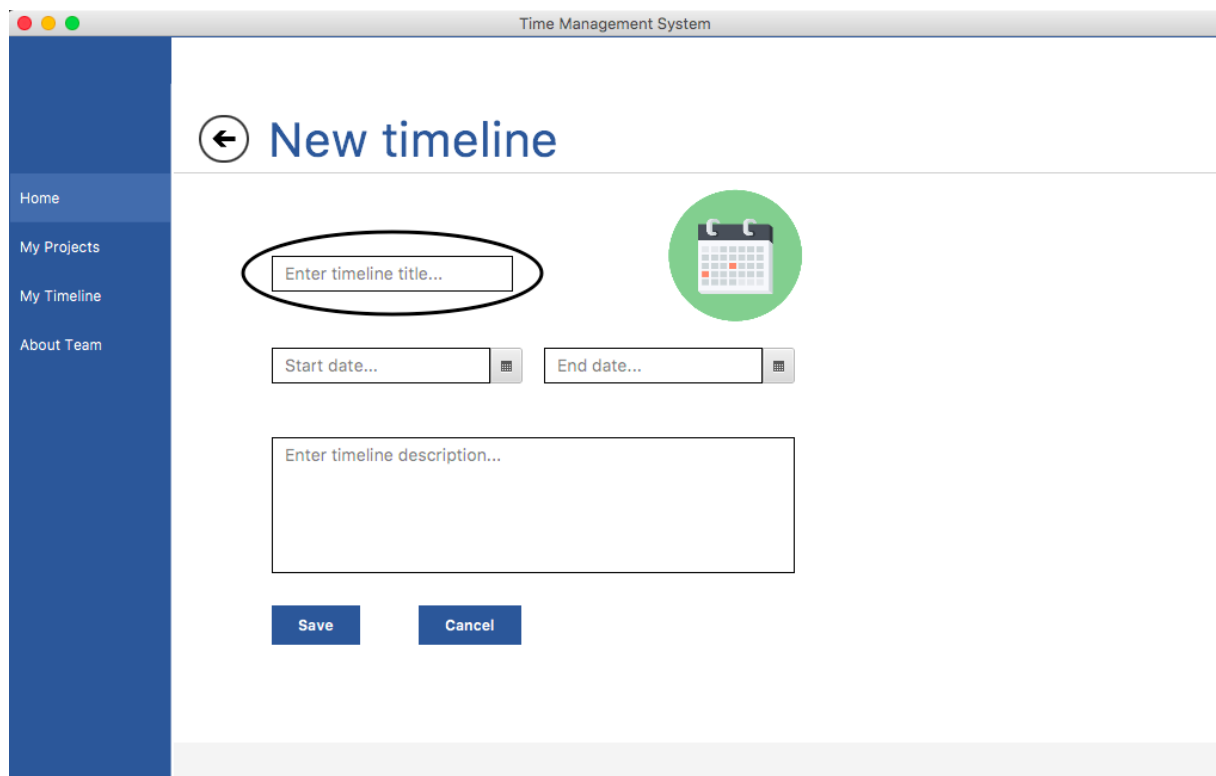
### 2.1.1 Create Timeline

When the user presses 'Create timeline' button, they will be guided to a new page. There, they can see some empty boxes to be filled.



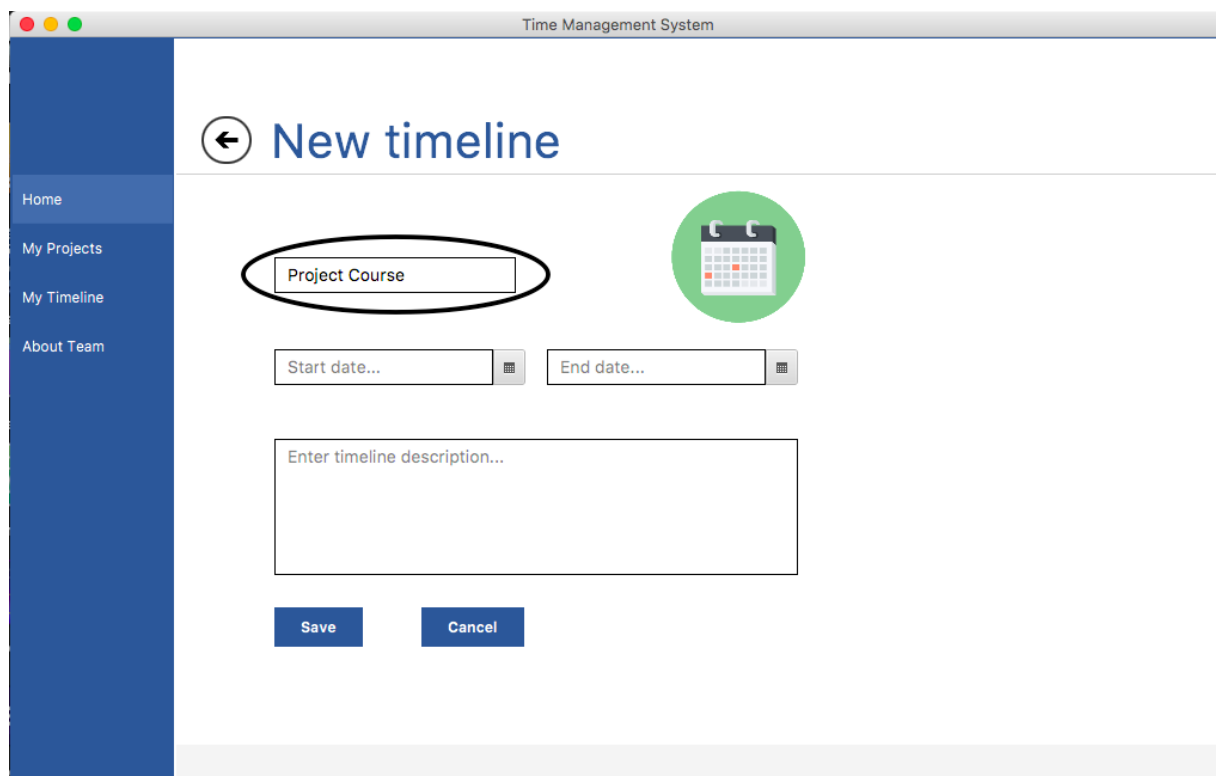
### 2.1.1.1 Enter Timeline Title

In this box, the user must enter their favorite title for the timeline. It is possible to enter characters, numbers, symbols, and spaces, and there is no limitation for the length of the title.



The screenshot shows a web application window titled "Time Management System". On the left is a blue sidebar with navigation links: "Home", "My Projects", "My Timeline", and "About Team". The main content area has a header with a back arrow icon and the text "New timeline". Below this, there is a form with the following elements:

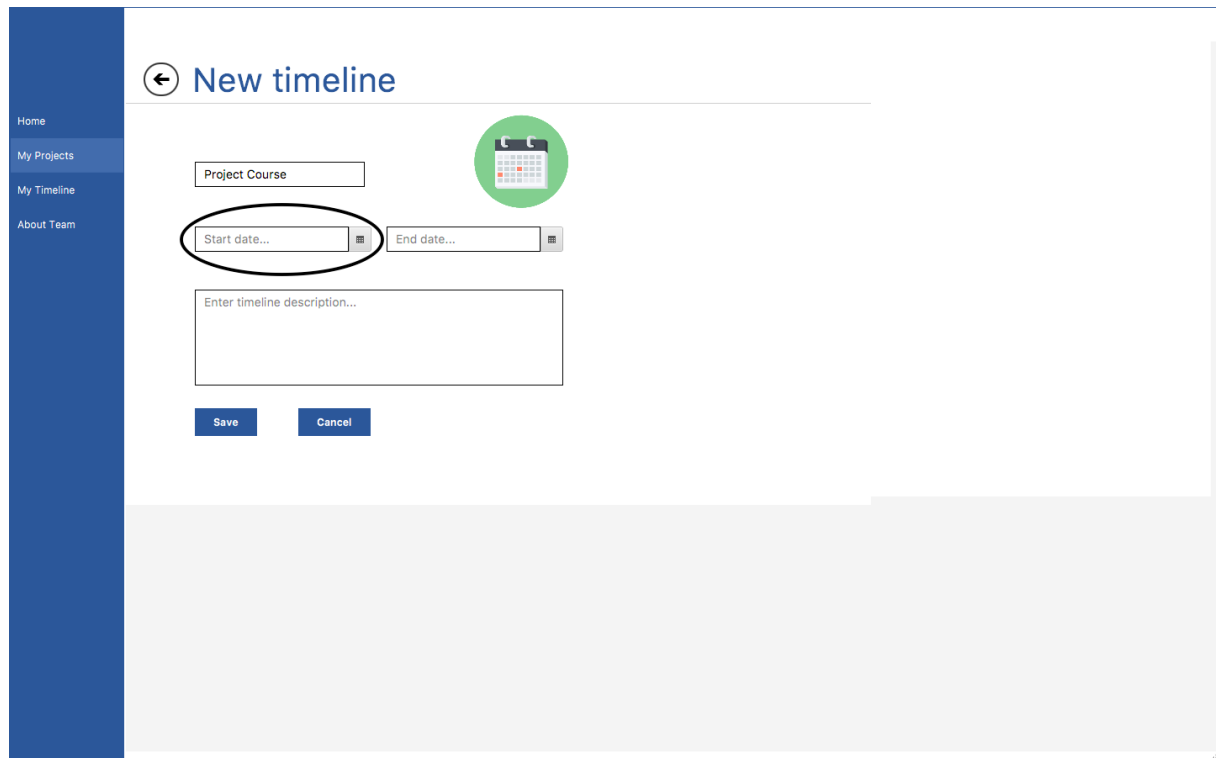
- A text input field labeled "Enter timeline title..." which is circled in black.
- A calendar icon in a green circle to the right of the title field.
- Two date selection fields: "Start date..." and "End date...", each with a calendar icon.
- A large text area labeled "Enter timeline description..."
- Two buttons at the bottom: "Save" and "Cancel".



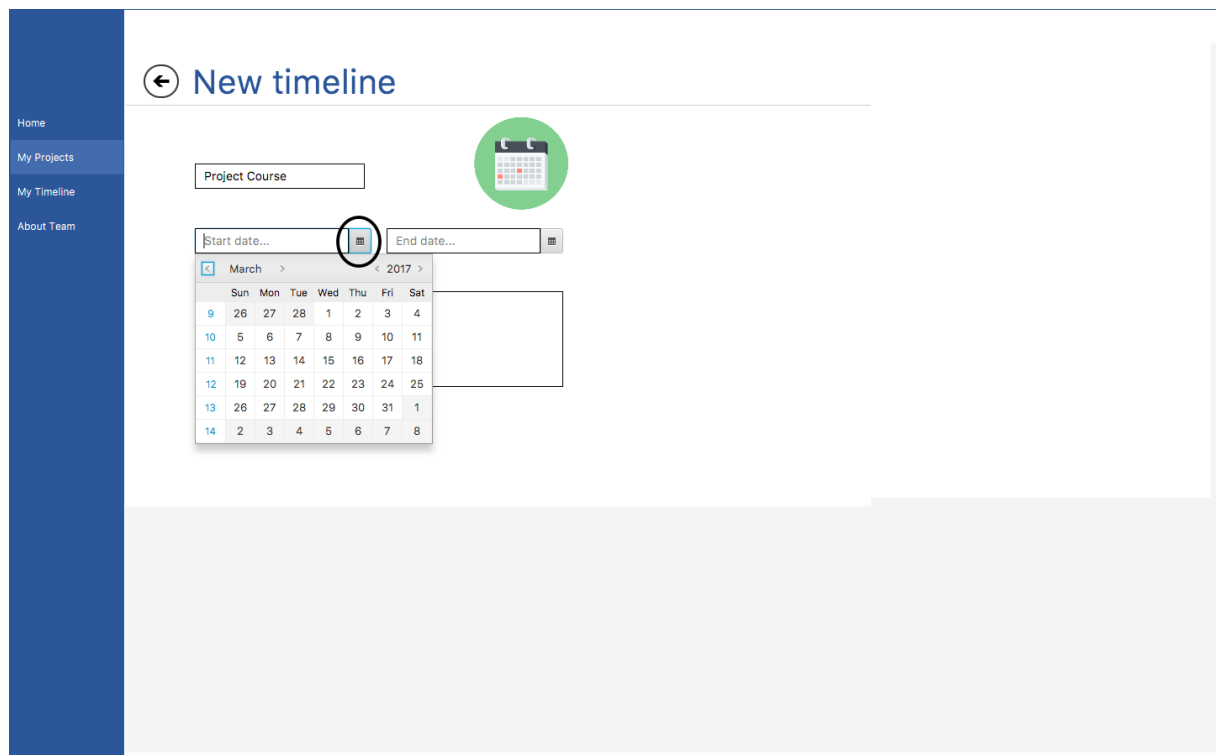
This screenshot is identical to the one above, but the text input field for the timeline title now contains the text "Project Course". The field remains circled in black.

### 2.1.1.2 Start Date

In this box, the user must enter the starting date for their favorite timeline by choosing a date from the calendar button next to the 'Start date' box. The user is allowed to enter the year of their timeline a year between 1000 to 9999. If they enter a sooner/later year, they will encounter a warning which is shown on the last picture of this section of the document. By double-clicking on 'OK', user can fix the date.



The screenshot shows the 'New timeline' form. On the left is a blue sidebar with links: Home, My Projects, My Timeline, and About Team. The main content area has a title 'New timeline' with a back arrow. Below the title is a form with a text input 'Project Course' and a calendar icon. The 'Start date...' input field is circled in black, and the 'End date...' input field is also present. Below these is a text area for 'Enter timeline description...'. At the bottom are 'Save' and 'Cancel' buttons.



This screenshot shows the same 'New timeline' form, but with the calendar for March 2017 open. The calendar is a standard grid showing days of the week and dates. The 'Start date...' input field is circled in black, and the calendar is positioned directly below it. The 'End date...' input field is also visible. The 'Save' and 'Cancel' buttons remain at the bottom.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
9	26	27	28	1	2	3
10	5	6	7	8	9	10
11	12	13	14	15	16	17
12	19	20	21	22	23	24
13	26	27	28	29	30	31
14	2	3	4	5	6	7



Home  
My Projects  
My Timeline  
About Team

← New timeline

Project Course

3/21/2017

End date...

Enter timeline description...

Save

Cancel

Time Management System

Home  
My Projects  
My Timeline  
About Team

← New timeline

Years ago

7/14/999

End date...

The entered year is 999 which is 1 year less than 1000.

Save

Cancel

Wrong date format

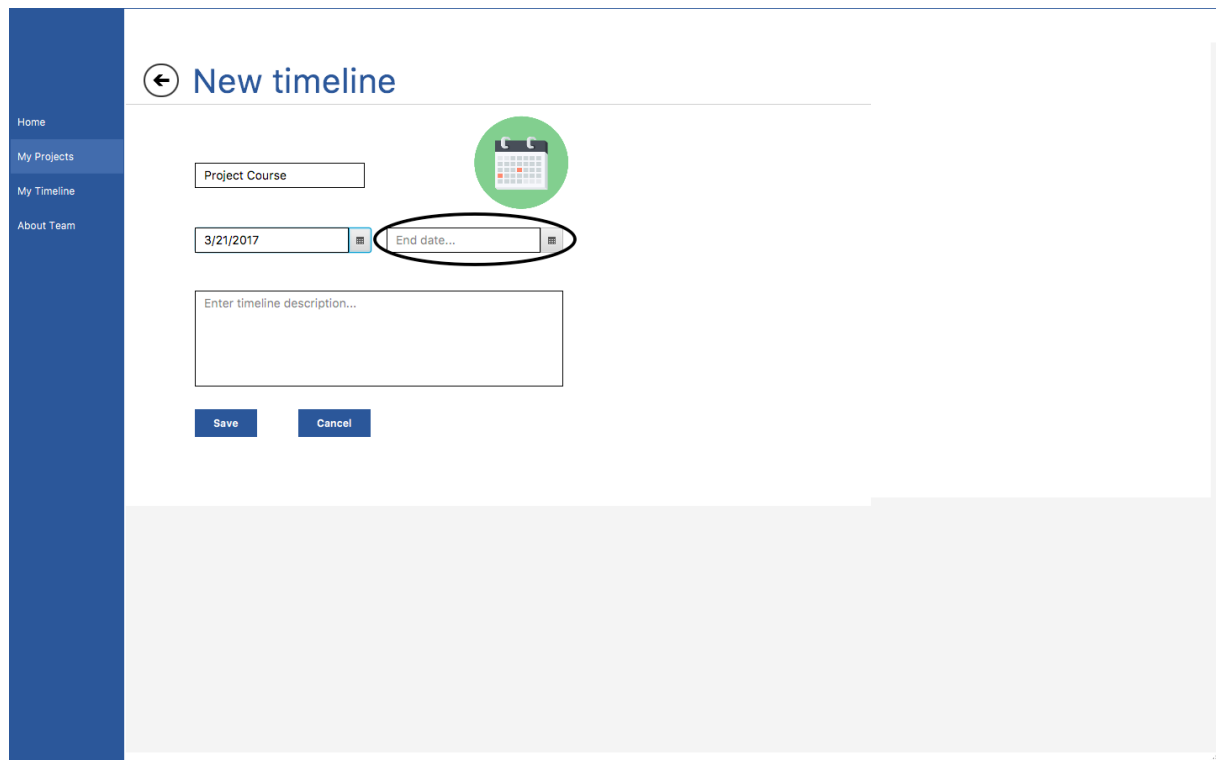
Error

The date was entered the wrong way. Correct way:  
M/d/yyyy

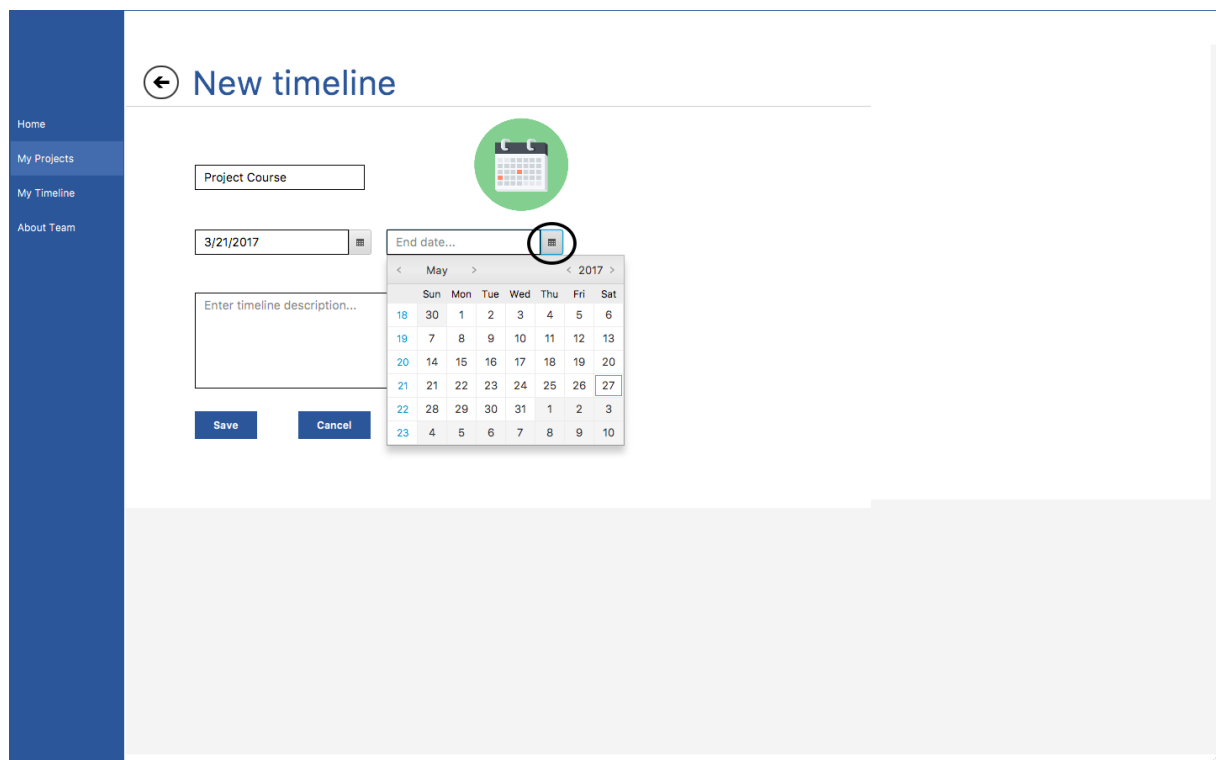
OK

### 2.1.1.3 End Date

In this box, the user must enter the starting date for their favorite timeline by choosing a date from the calendar button next to the 'End date' box.



The screenshot shows the 'New timeline' form. The 'End date...' field is highlighted with a red circle, and a calendar icon is shown next to it. The form includes a 'Project Course' field, a '3/21/2017' field, a text area for 'Enter timeline description...', and 'Save' and 'Cancel' buttons.



The screenshot shows the 'New timeline' form with a calendar popup open for the 'End date...' field. The calendar displays the month of May 2017, with the date 27 selected. The form includes a 'Project Course' field, a '3/21/2017' field, a text area for 'Enter timeline description...', and 'Save' and 'Cancel' buttons.

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
18	30	1	2	3	4	5	6
19	7	8	9	10	11	12	13
20	14	15	16	17	18	19	20
21	21	22	23	24	25	26	27
22	28	29	30	31	1	2	3
23	4	5	6	7	8	9	10

## New timeline

Project Course



3/21/2017

5/31/2017

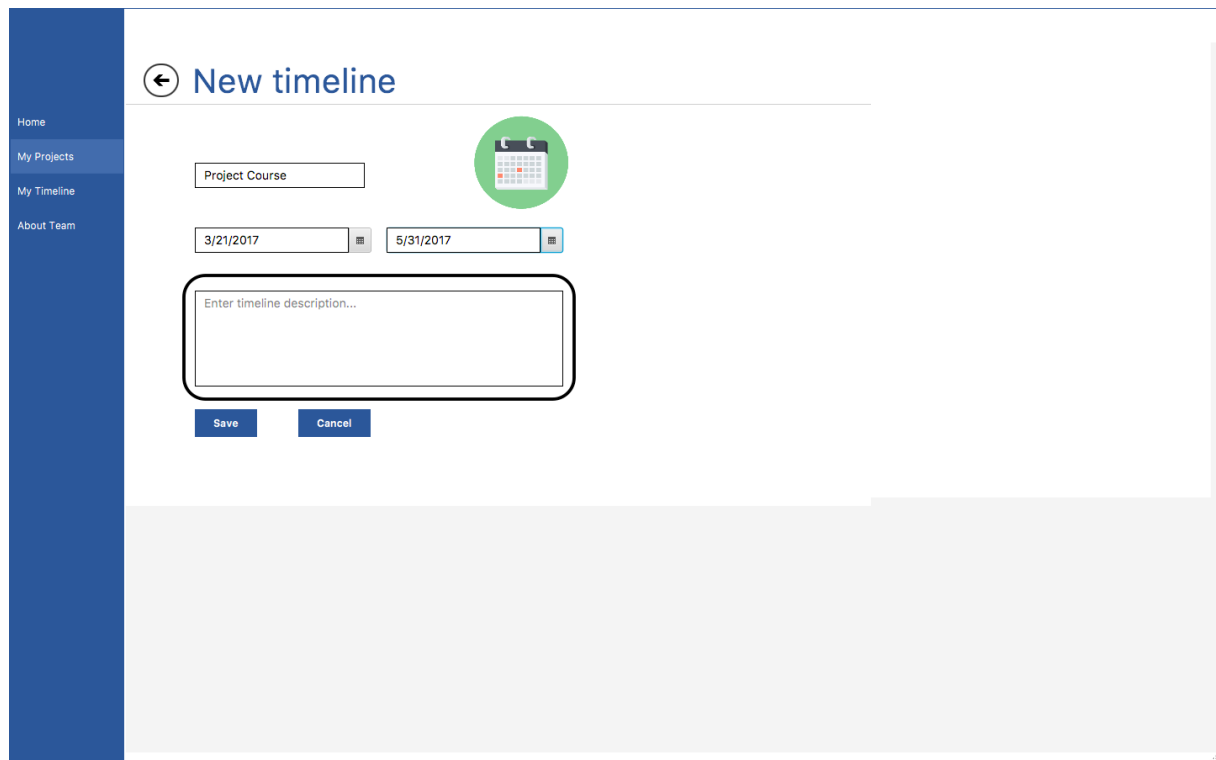
Enter timeline description...

Save

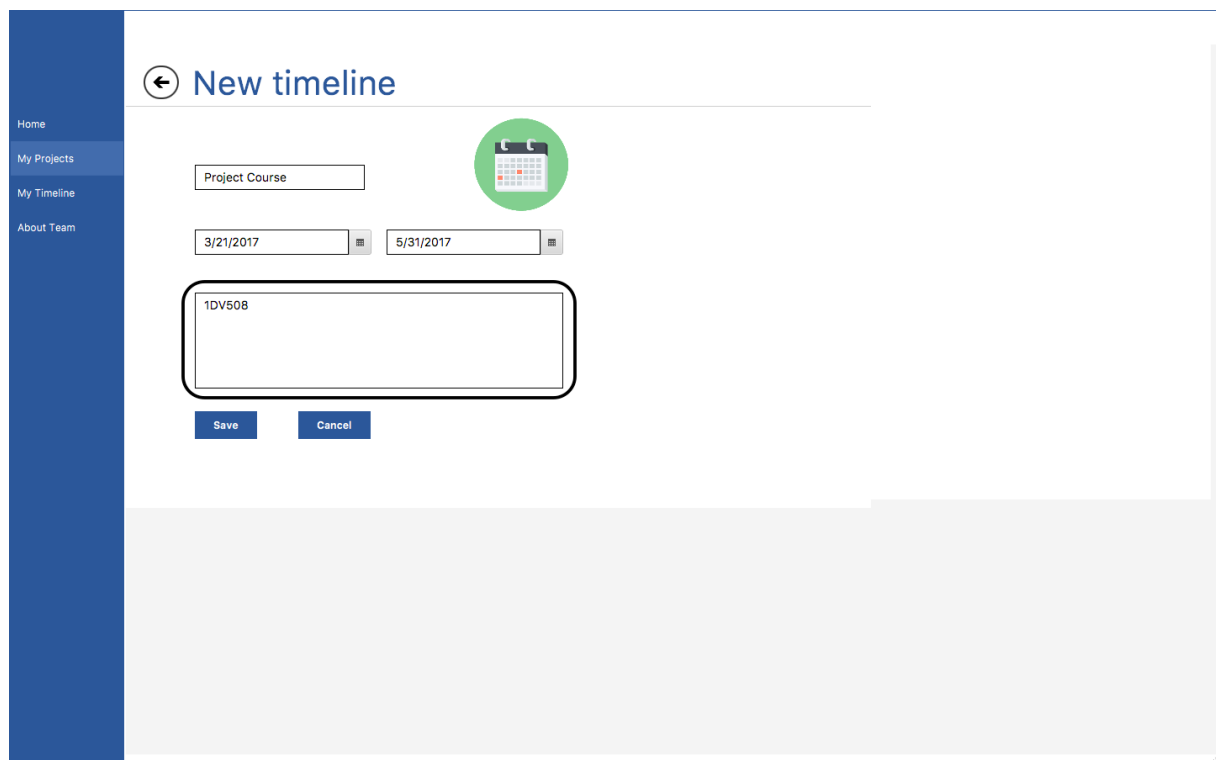
Cancel

### 2.1.1.4 Enter Timeline Description

In this box, the user can enter a desired description for their timeline. Every alphabet character, number, symbol, and space can be entered here.



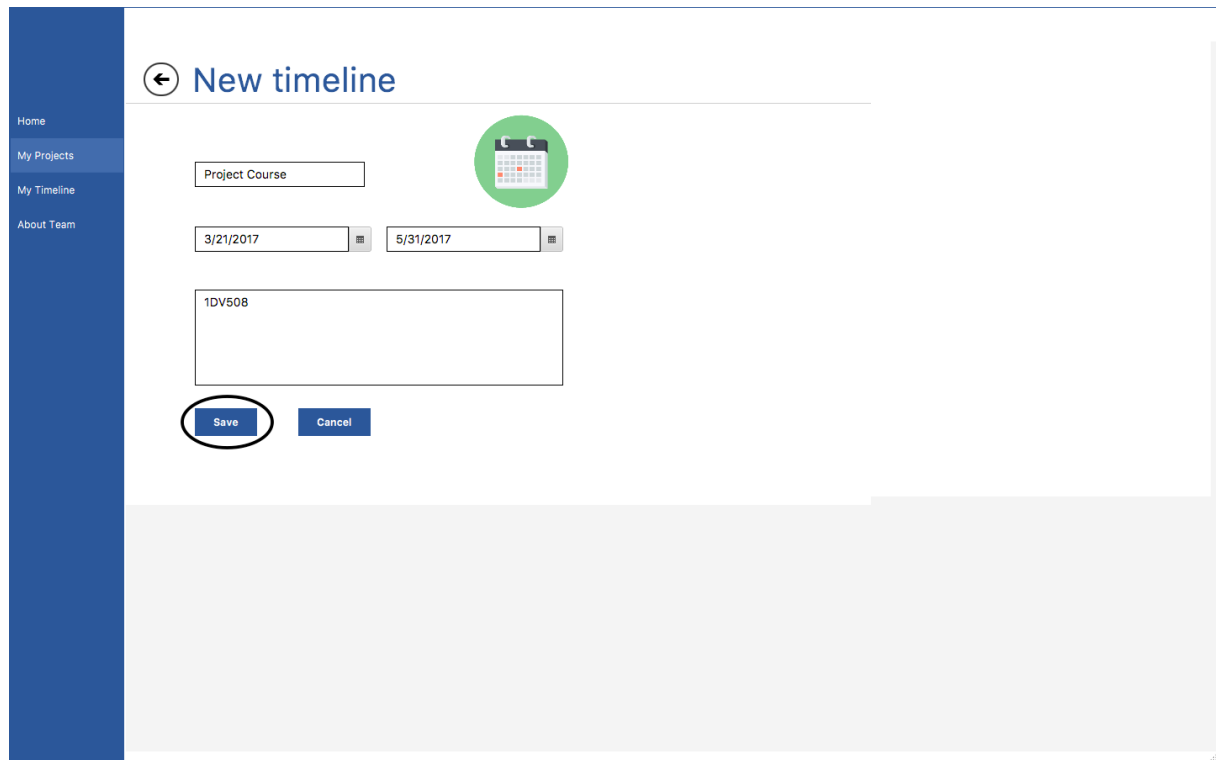
The screenshot shows a web interface for creating a new timeline. On the left is a dark blue sidebar with a vertical list of links: 'Home', 'My Projects', 'My Timeline', and 'About Team'. The 'My Timeline' link is highlighted. The main content area has a header with a back arrow icon and the text 'New timeline'. Below the header, there is a form with the following elements: a text input field containing 'Project Course'; a green circular icon with a calendar; two date input fields, the first containing '3/21/2017' and the second containing '5/31/2017'; a large text area with the placeholder text 'Enter timeline description...'; and two buttons at the bottom, 'Save' and 'Cancel'.



This screenshot is identical to the one above, showing the 'New timeline' form. The only difference is that the large text area now contains the text '1DV508' instead of the placeholder text.

### 2.1.1.5 Save

The user presses 'Save' button to save the timeline.



The screenshot shows a web application interface for creating a new timeline. On the left is a dark blue sidebar with navigation links: 'Home', 'My Projects', 'My Timeline', and 'About Team'. The main content area has a header with a back arrow icon and the text 'New timeline'. Below this, there are several input fields: a text field containing 'Project Course', a date range selector with '3/21/2017' and '5/31/2017' (each with a calendar icon), and a larger text area containing '1DV508'. A green circular icon with a calendar is positioned above the date range. At the bottom of the form, there are two buttons: 'Save' (highlighted with a red circle) and 'Cancel'. The bottom half of the page is a light gray placeholder area.

### 2.1.1.5.1 Warning

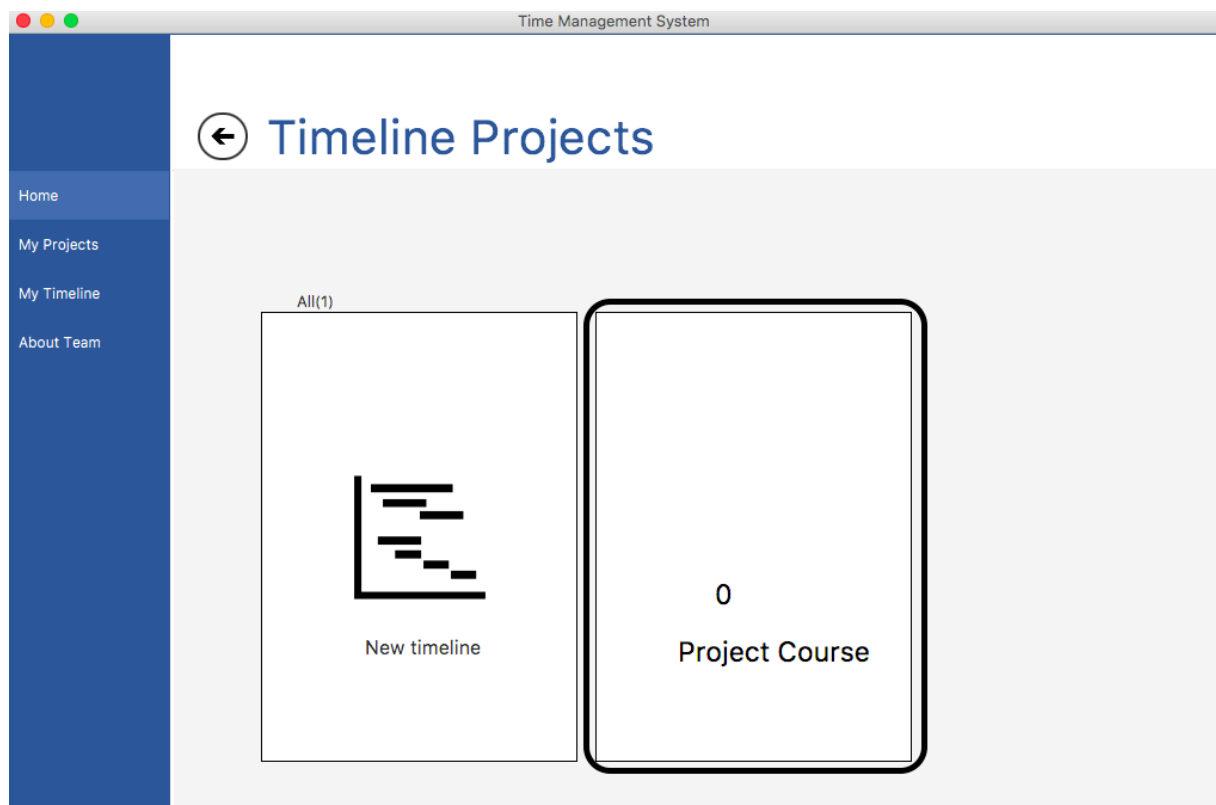
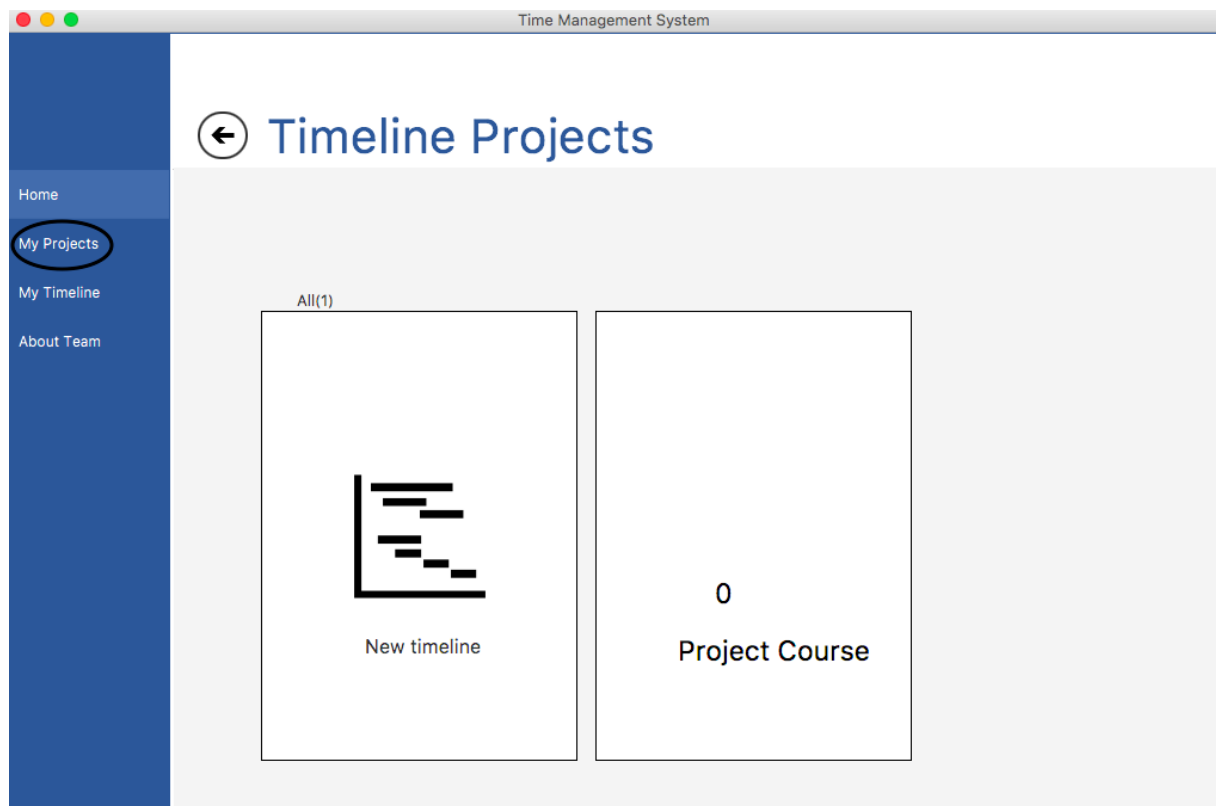
In case user enters the Start Date a date after the End Date, the system will display an error which is “Please specify correct timeline duration”. The user must press the ‘OK’ button to return to the timeline creating window, and correct the date.

The screenshot shows the 'New timeline' form in the Time Management System. The form includes a sidebar with links to Home, My Projects, My Timeline, and About Team. The main form has a 'Project Course' field, two date fields (Start Date and End Date), and a '1DV508' field. The Start Date is '5/31/2017' and the End Date is '5/30/2017'. A warning dialog box titled 'Wrong Duration' is displayed, with the message 'Warning' and 'Please specify correct timeline duration'. The dialog has an 'OK' button.

This screenshot is identical to the one above, showing the 'New timeline' form with the 'Wrong Duration' warning dialog. In this version, the 'OK' button in the dialog is circled, indicating the user's next action to return to the form.

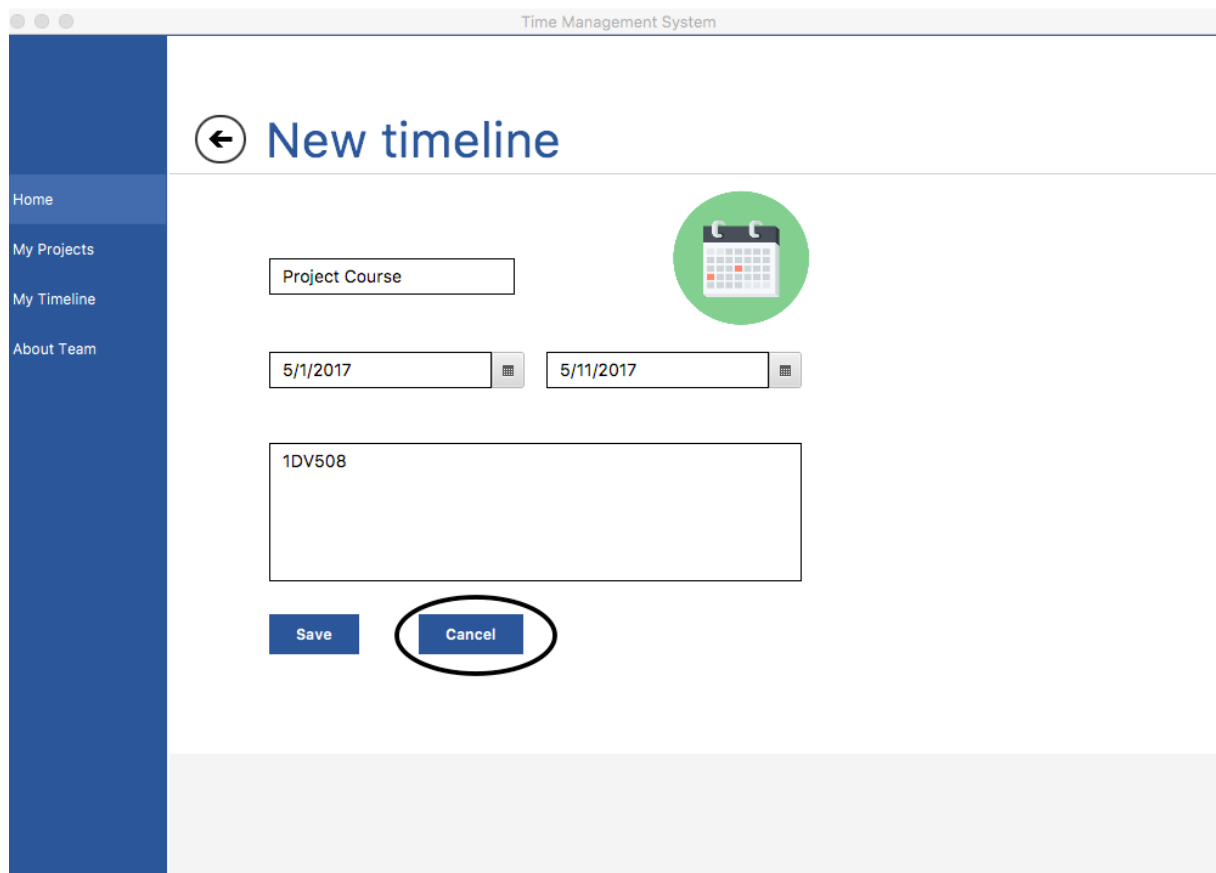
### 2.1.1.6 Created Timeline

After user enters the proper date for Start and End date, they press the 'Save' button, and the timeline is then created, and shown on the Timeline Projects window.



### 2.1.1.7 Cancel

If the user does not want to save the timeline before pressing the 'Save' button, they must press 'Cancel' button to cancel making the timeline.



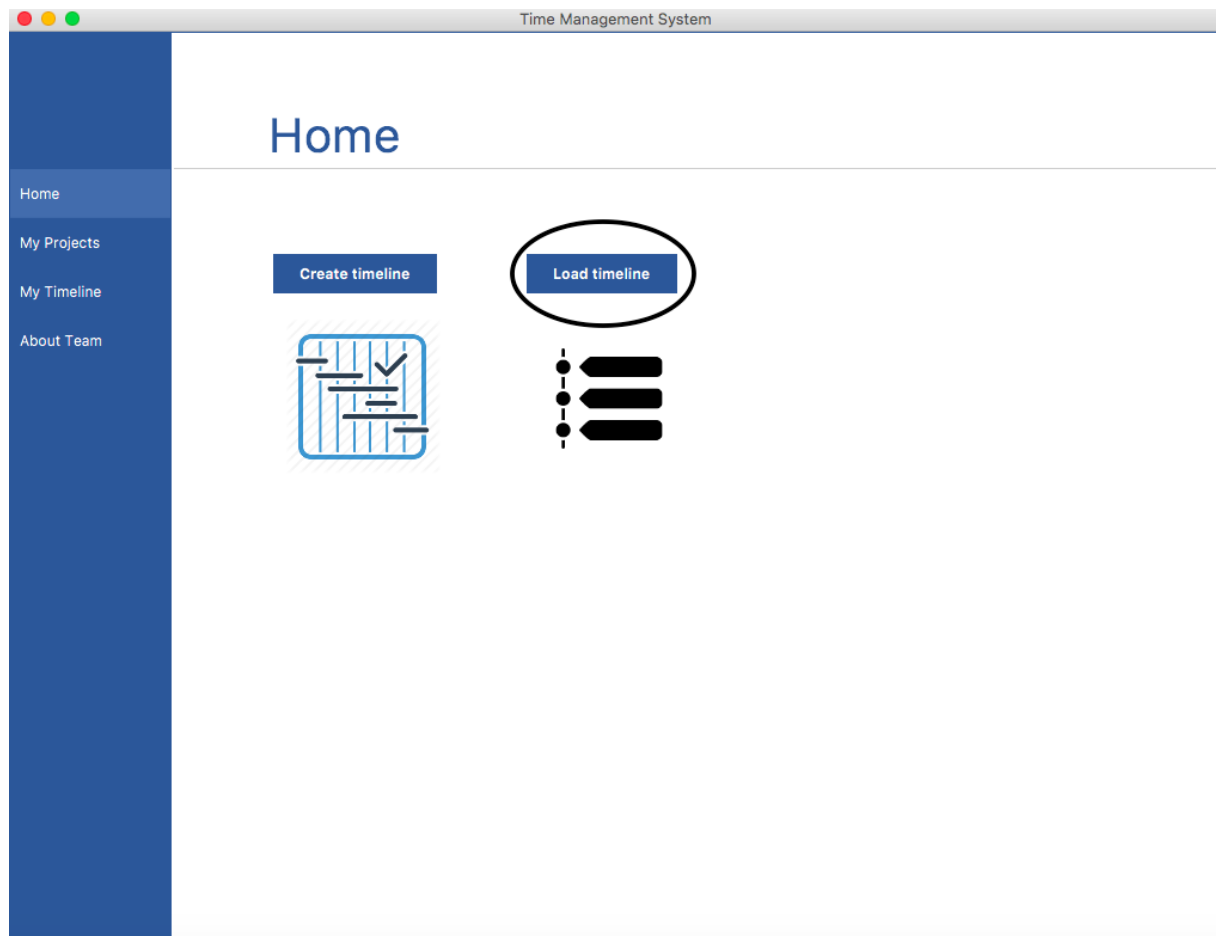
The screenshot shows a web application titled "Time Management System". On the left is a blue sidebar with navigation links: "Home", "My Projects", "My Timeline", and "About Team". The main content area has a header with a back arrow icon and the text "New timeline". Below this is a form with the following elements:

- A text input field containing "Project Course".
- A green circular icon containing a calendar.
- Two date input fields: the first contains "5/1/2017" and the second contains "5/11/2017".
- A large text area containing "1DV508".
- Two buttons at the bottom: "Save" and "Cancel". The "Cancel" button is circled with a black oval.



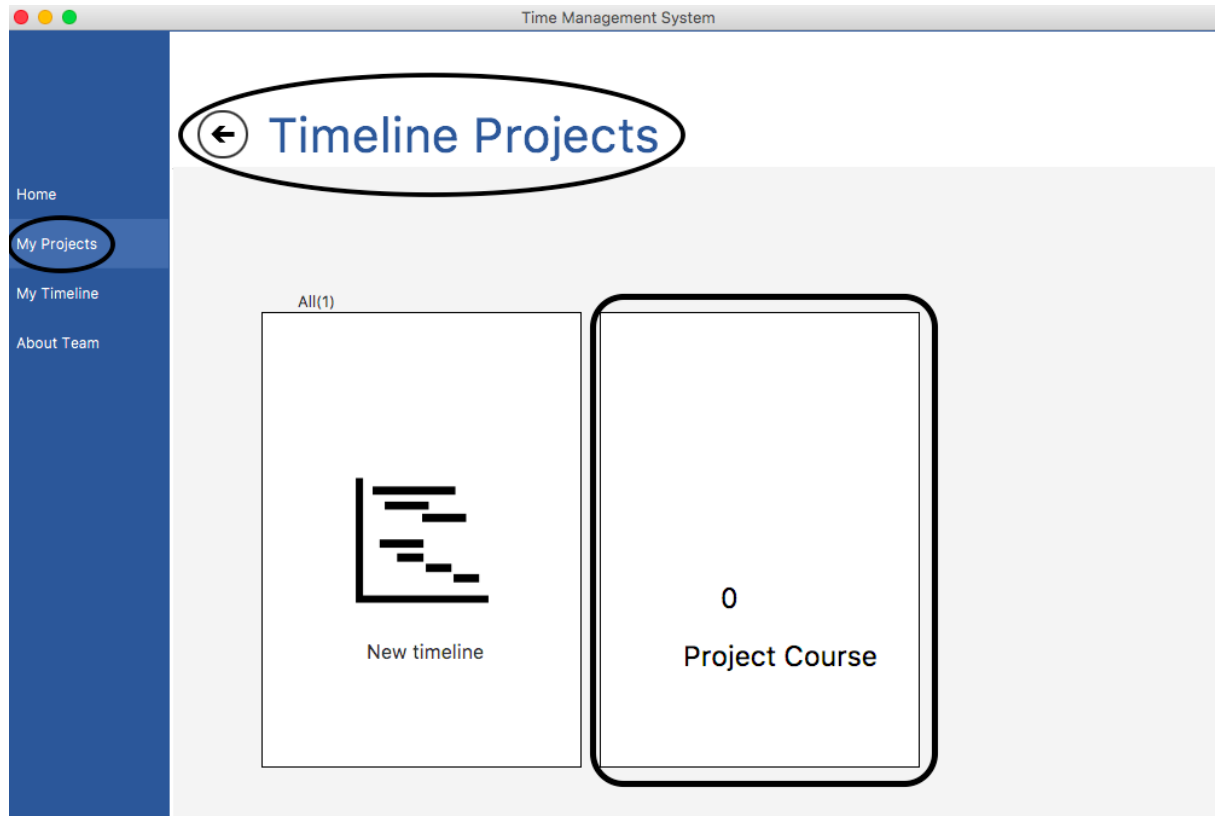
### 2.1.2 Load Timeline

On this window, the user can load the created timeline(s) from a file on their computer. The user can do this after once they have exported the created event on a timeline. This will be explained at section 2.3.1.3 of this document.



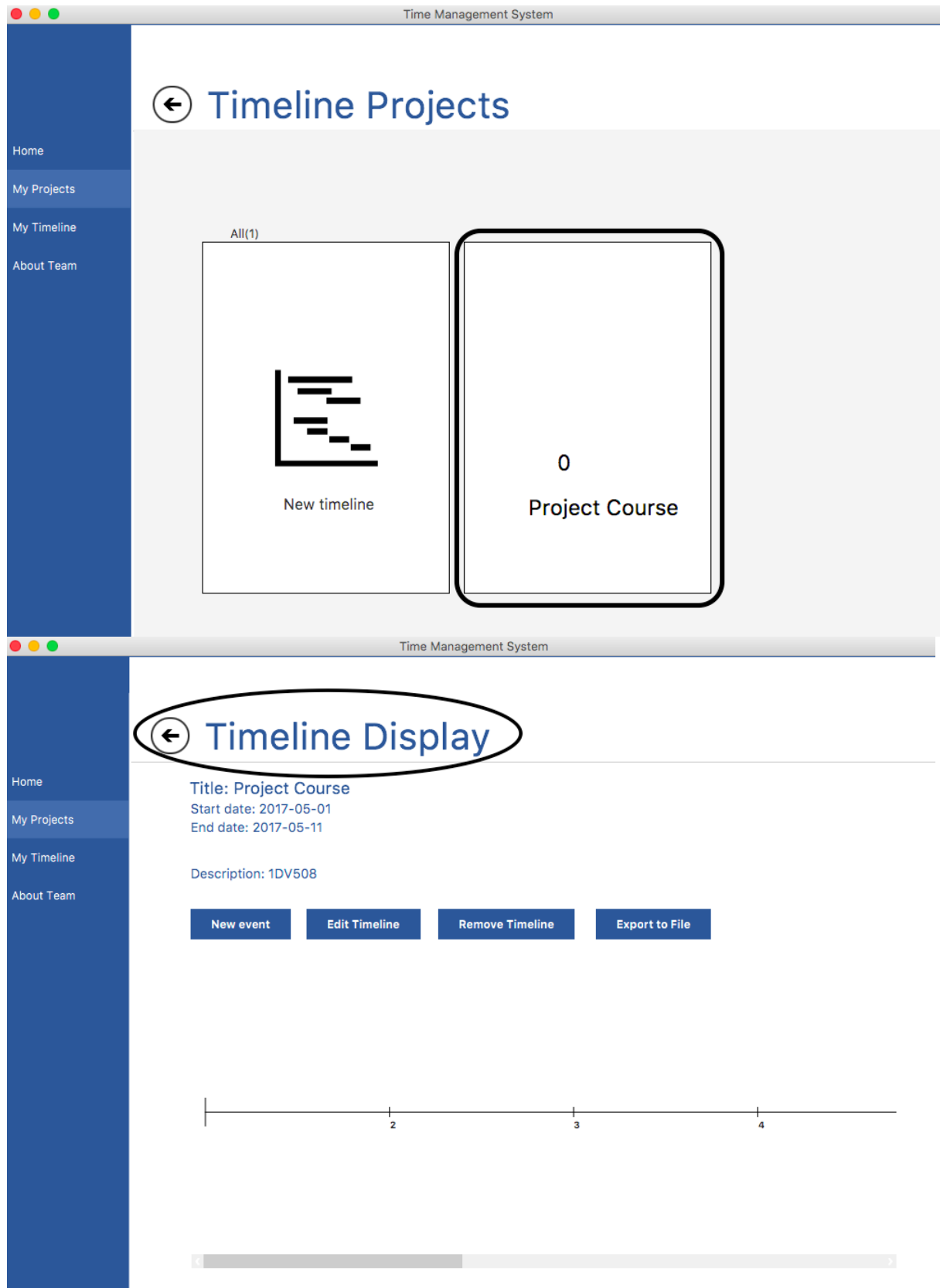
## 2.2 My Projects

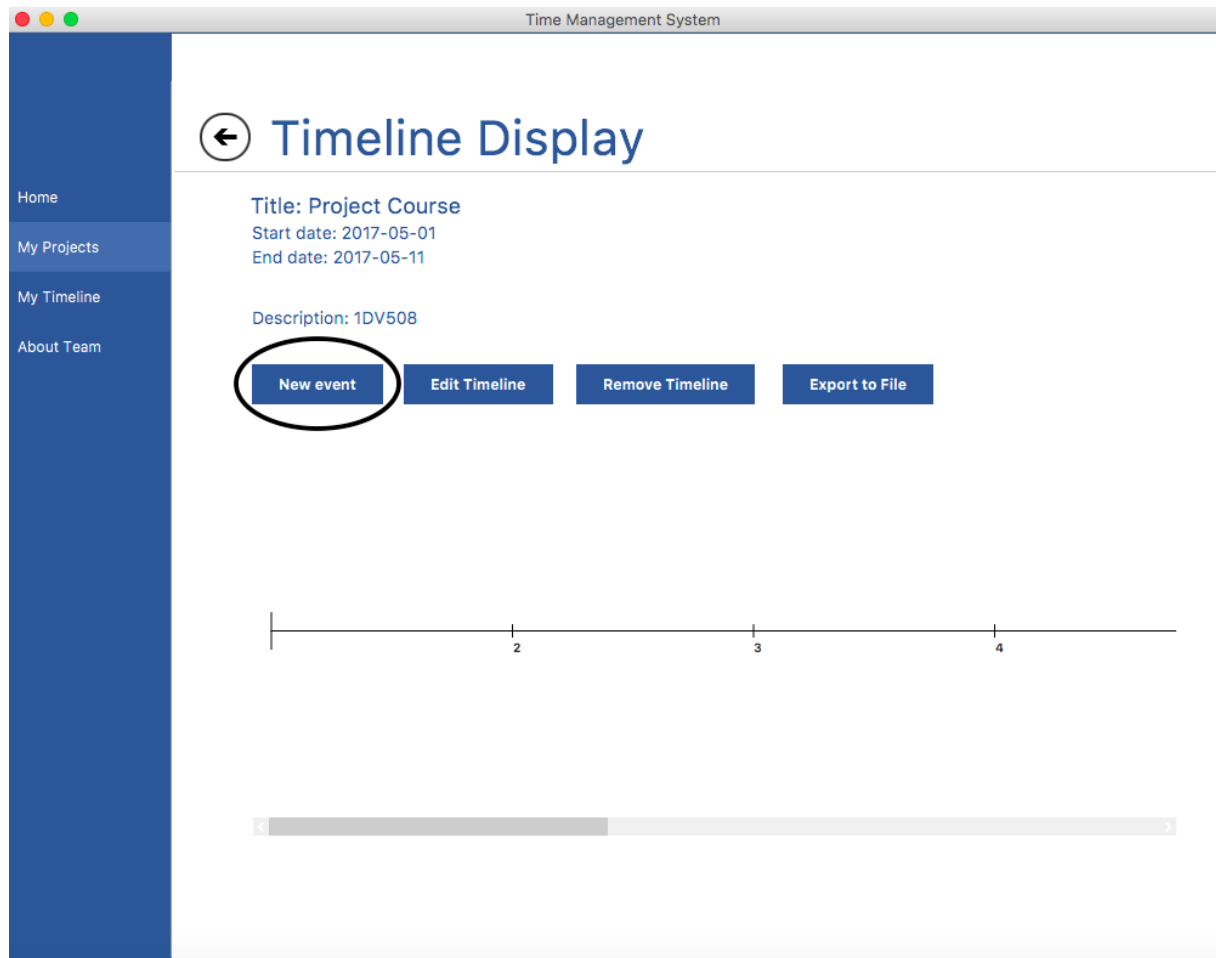
Once the timeline(s) are created, the user can access to the created timeline(s) by pressing 'My Projects' button, and then on the 'Timeline Display' window they can see the created one(s). This is also available where they created the timeline.



## 2.3 Create an event

Once the timeline is created, by clicking on the card of the desired timeline at My Projects window, the user goes to Timeline Display window, and then can create their favorite event on the selected timeline. User presses 'New event' button, and starts making their event.





### 2.3.1 Durational Event

After the user presses 'New Event' button on 'Timeline Display' window, they go to the 'New event' window. There are a few fields to be filled by the user. The first field is 'Enter event title', where the user enters their desired title for the event. There is a checkbox new to the title box, Durational Event. If the user tends to make an event with duration, they can check this box, and then enter the start and end date for the duration of the event. After filling in every necessary field, the user presses 'Save' button to save the event. After saving it, it is added to the timeline card. In case the user wants to access the event, they can press on the timeline card, and reach the events.

Time Management System

← New event

Home

My Projects

My Timeline

About Team

Enter event title...

Event date...

Upload... Link a picture or file to this event...

Event Description...

Durational Event

Save

Cancel

Time Management System

← New event

Home

My Projects

My Timeline

About Team

Enter event title...

Event date...

Upload... Link a picture or file to this event...

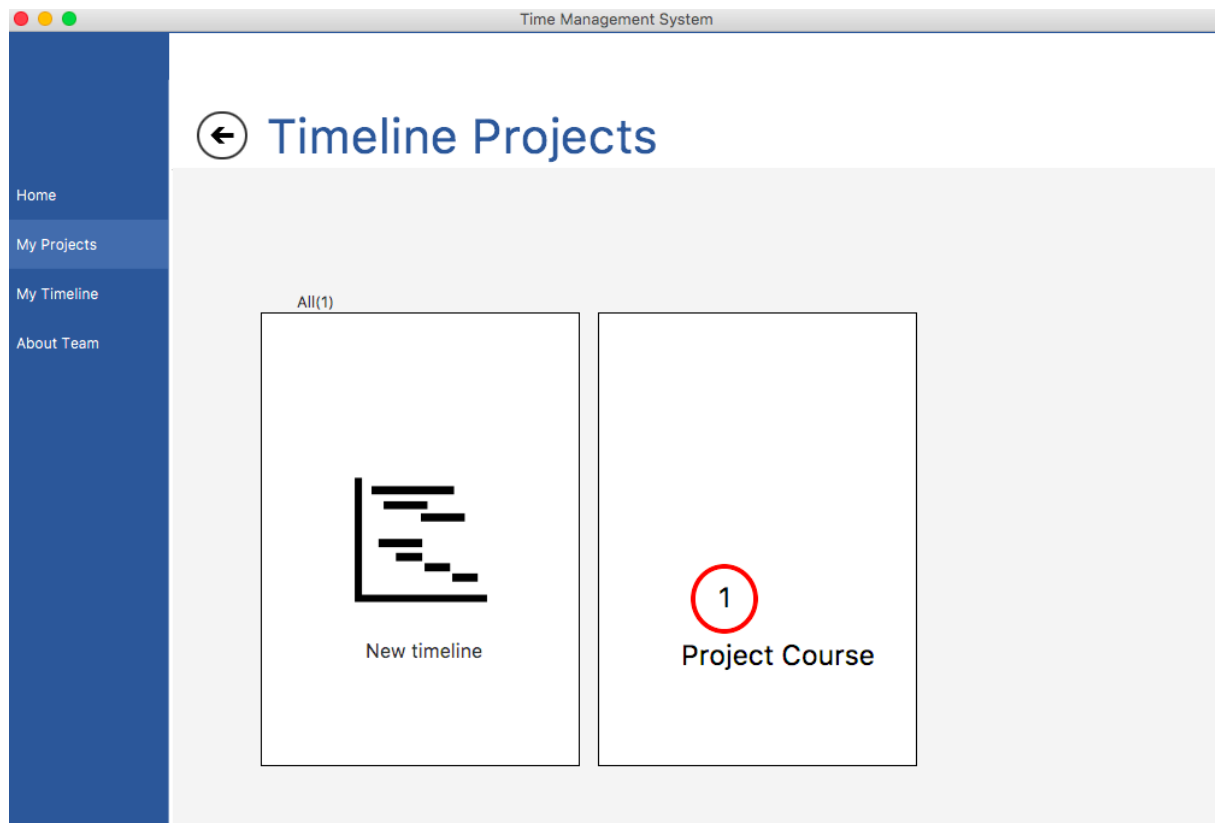
Event Description...

Durational Event

Save

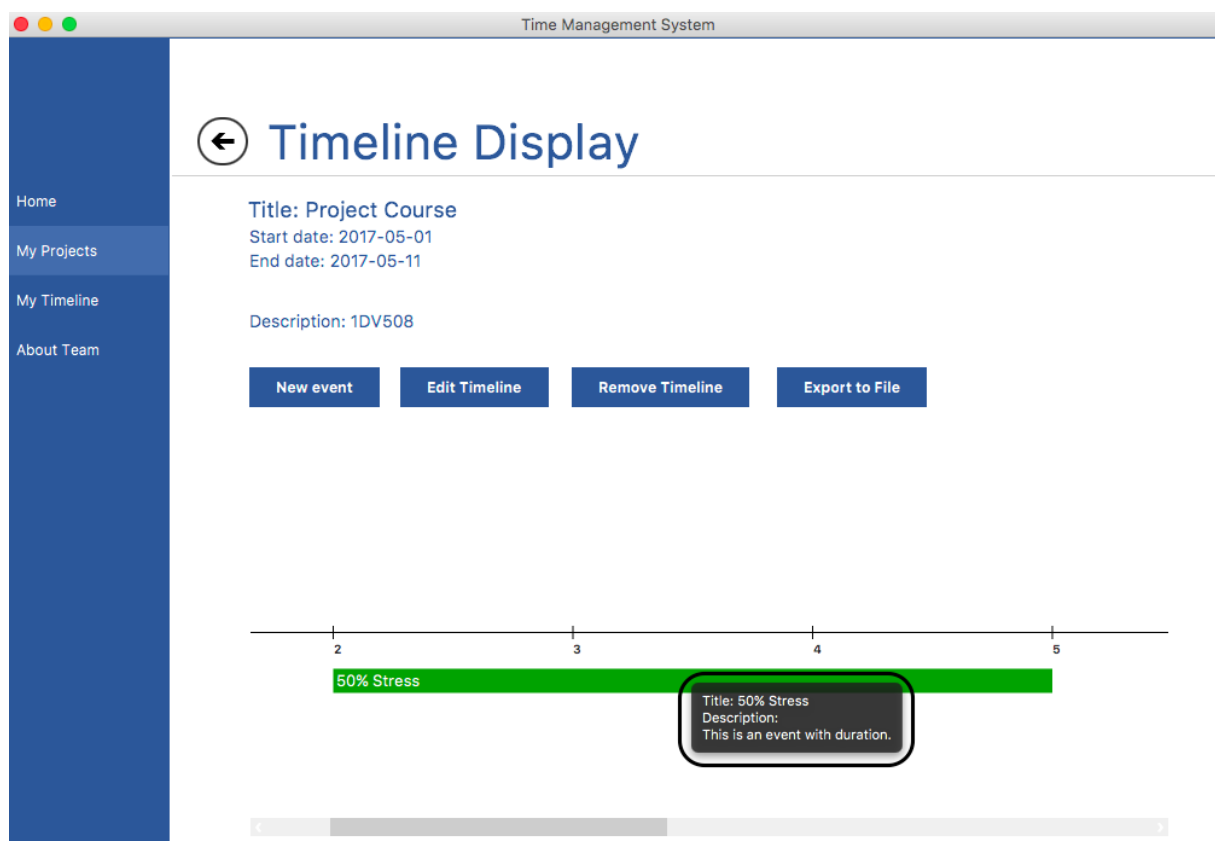
Cancel

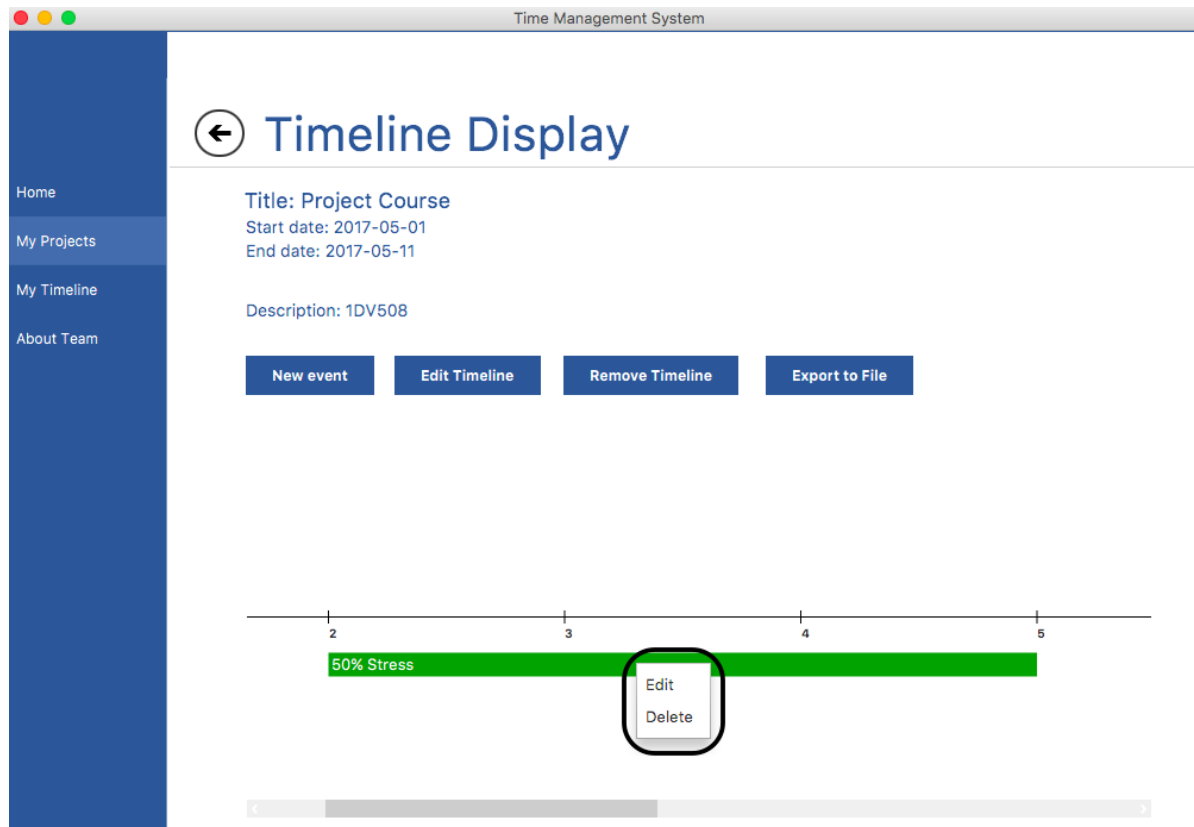




### 2.3.1.1 Edit Event

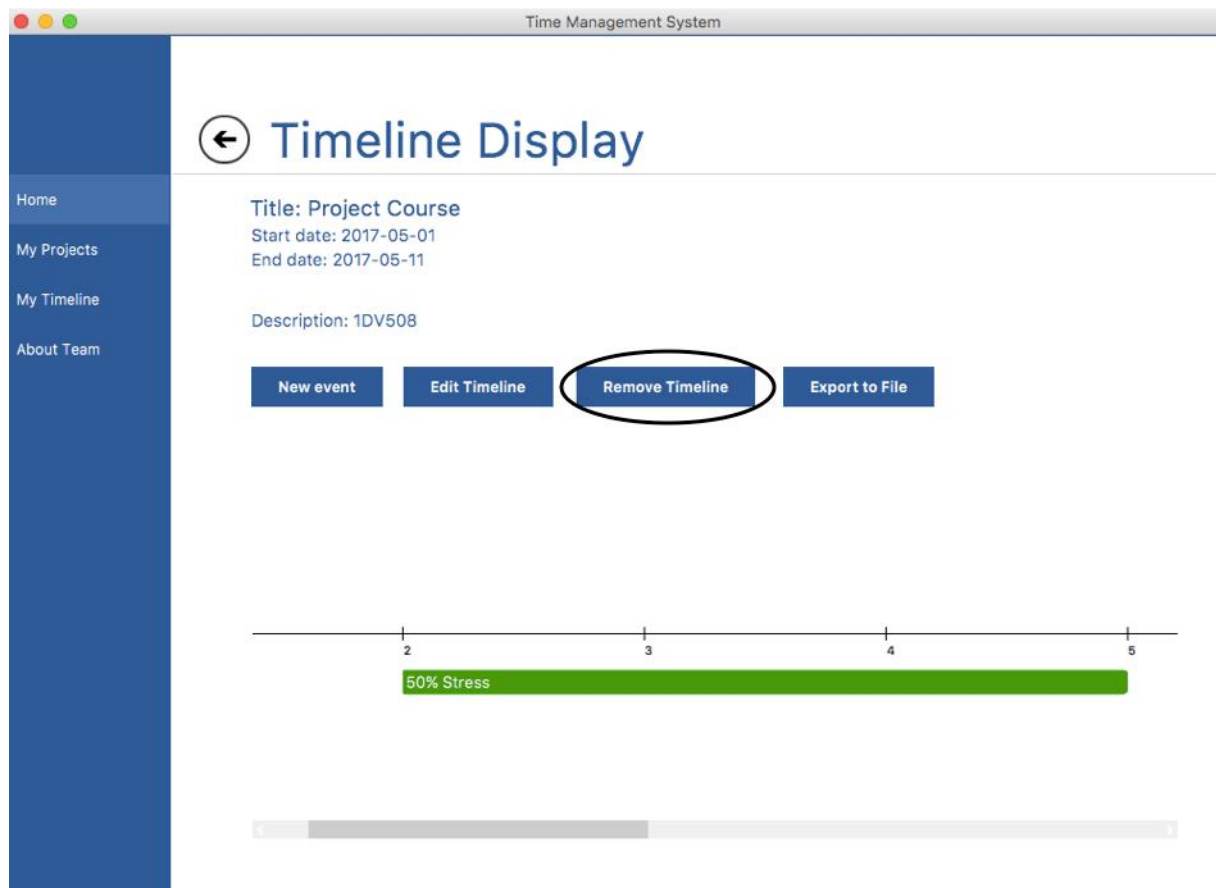
If the user hover the mouse on the created event, they can see the details of the created event. If they want to edit the event, they just right click on the event and start editing or deleting it.





### 2.3.1.2 Remove Timeline

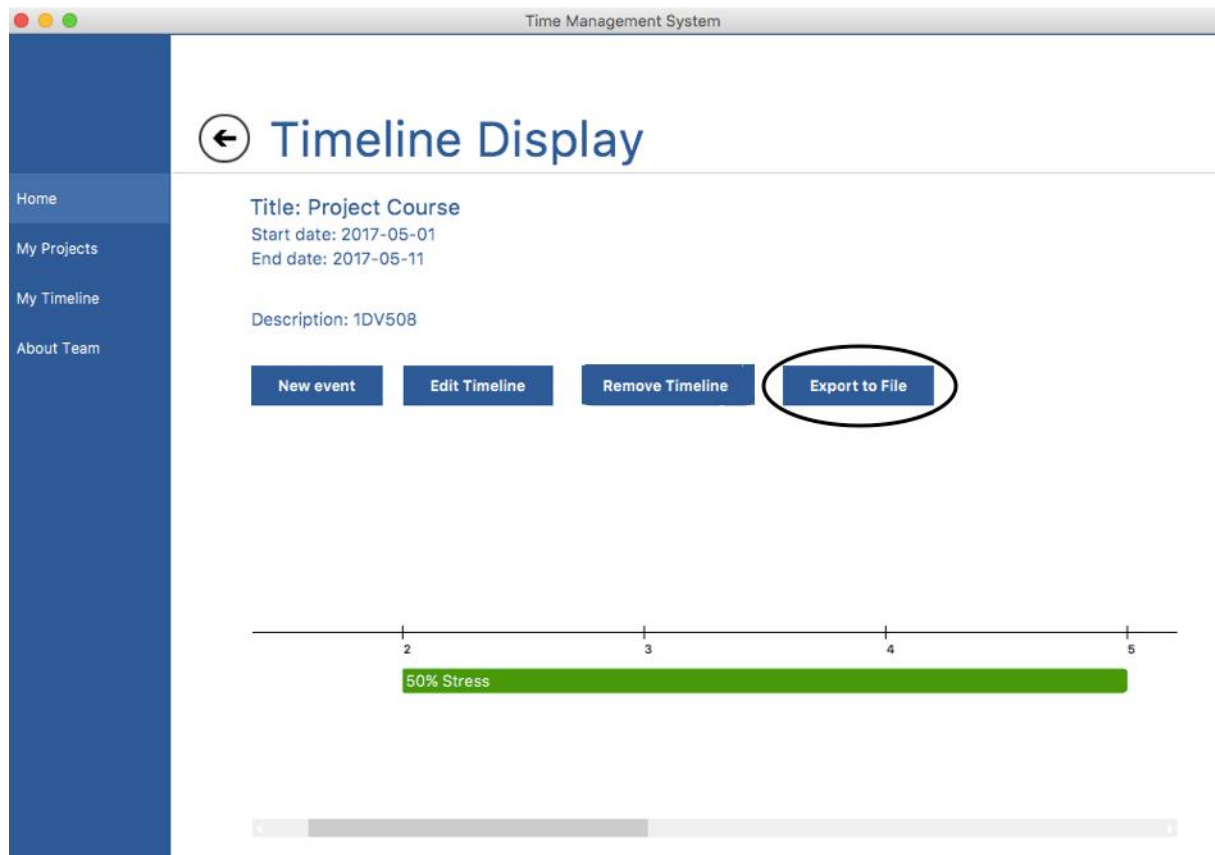
By pressing the 'Remove Timeline' button, user can remove the timeline, itself.

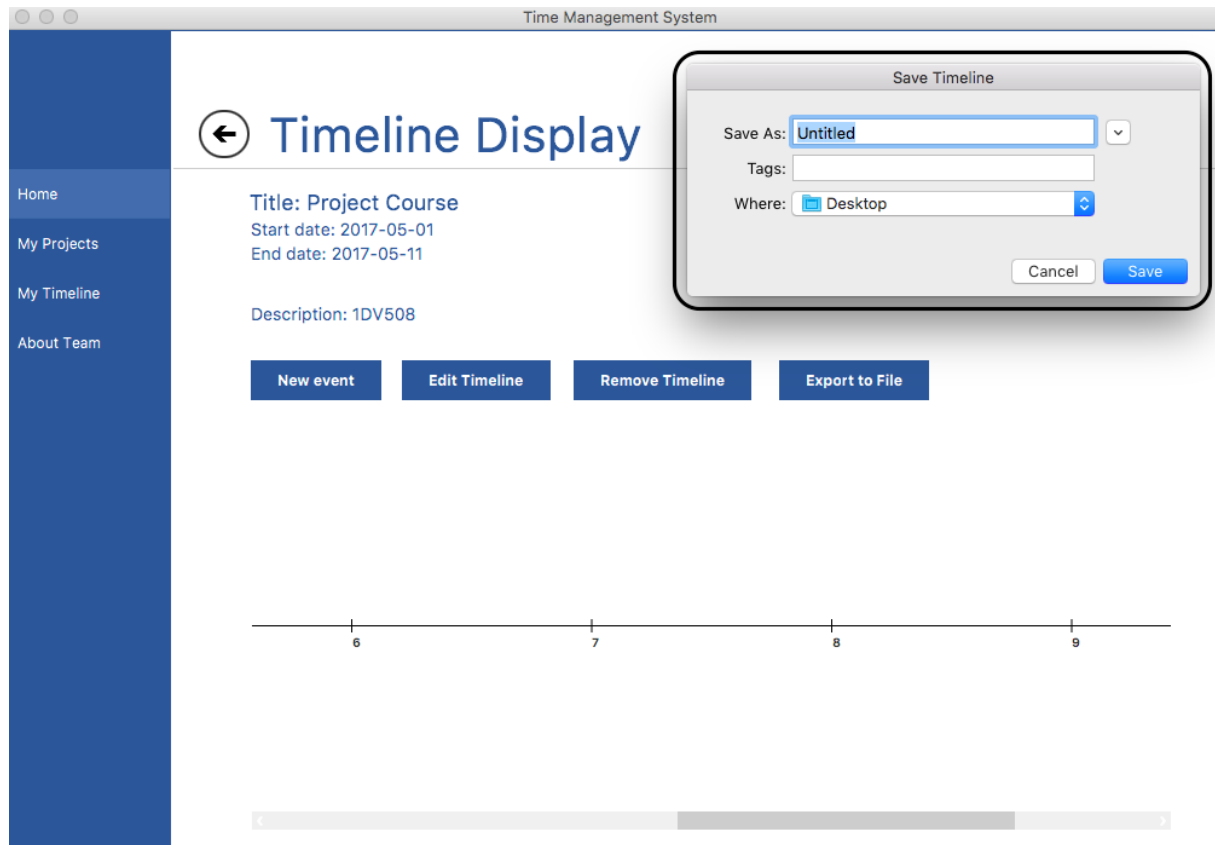




### 2.3.1.3 Export to File

By pressing the 'Export to File' button, user can export their created event to their computer. Then later, by pressing 'Load timeline' button on the Home window, they can access to their created timeline event which is discussed at section 2.1.2 of this document.





#### 2.3.1.4 New Durational Event

In case the user wants to make multiple events, if one of the event's duration is inside another event's duration, it will be shown by a different color, and a lower level with the previously created event.

Time Management System

← New event

Home

My Projects

My Timeline

About Team

55% Stress

☒ Durational Event

5/2/2017

5/4/2017

Upload... Link a picture or file to this event...

This event is being created inside another event's duration.

Save

Cancel

Time Management System

← Timeline Display

Home

My Projects

My Timeline

About Team

Title: Project Course

Start date: 2017-05-01

End date: 2017-05-11

Description: 1DV508

New event

Edit Timeline

Remove Timeline

Export to File

234

50% Stress

55% Stress

Title: 55% Stress

Description:

This event is being created inside another event's duration.

### 2.3.2 Non-durational Event

If the user wants to make an event with no duration, they do not check the 'Durational event' checkbox. The user fill in the fields and creates their desired event on the timeline by pressing 'Save' button. In all of the situations that the user is entering the desired date, whether durational or non-durational event, if the date is out of the timeline's duration, then the user will encounter an error. The error is showing on the second picture of this section of the document.

Time Management System

## ← New event

90% Stress ☐ Durational Event

5/10/2017

Upload... Link a picture or file to this event...

This is an event with no duration.

Save Cancel

Timeline visualization showing three events: a light blue arrow, a dark blue arrow, and a medium blue arrow.

Time Management System

## New event

Home  
My Projects  
My Timeline  
About Team

Out of ☐ Durational Event

5/1/2017

5/12/2017

Upload... Link a picture or file to this event...

This event's duration is out of timeline's duration, since timeline's end date is on 5/11/2017

Save Cancel

Warning

Event end date must be between 2017-05-01 and 2017-05-11

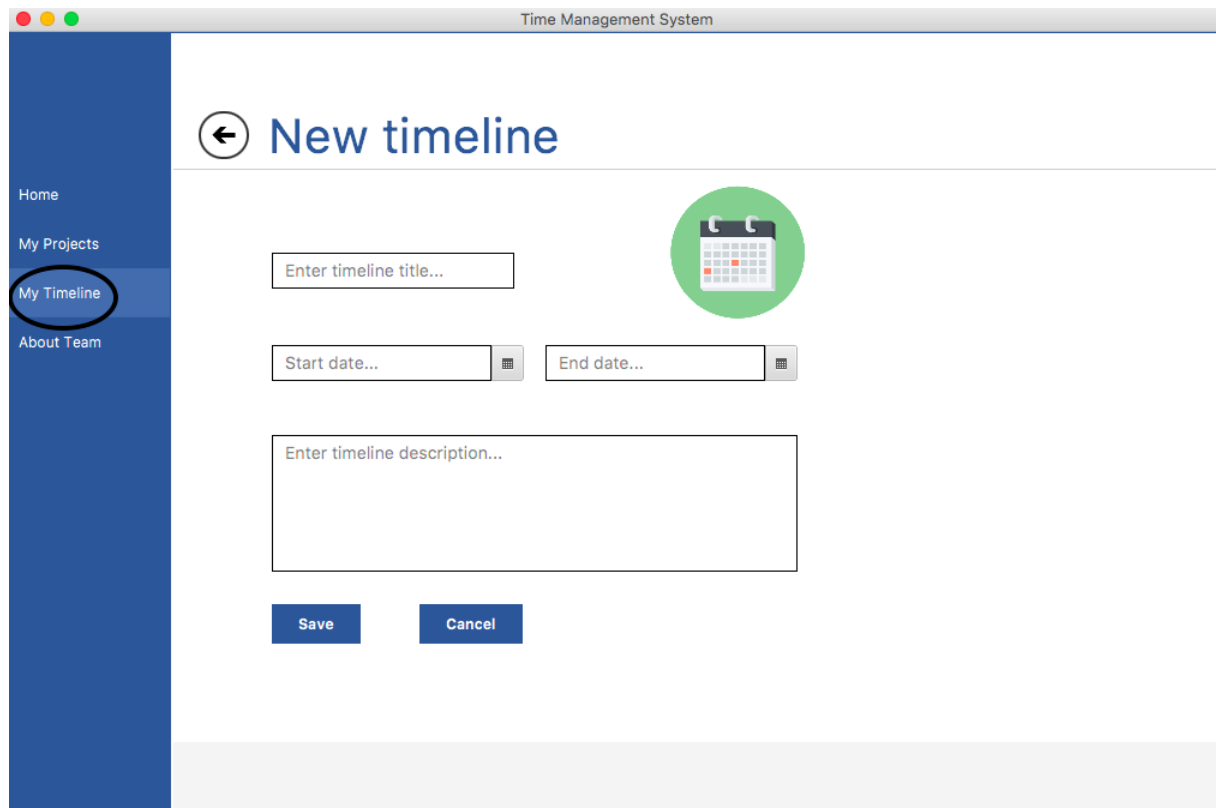
OK

The user fills in the fields to create their favorite new event to the time line.



## 2.4 My Timeline

Creating a new timeline is available by pressing 'My Timeline' button, and start making the timeline as it is described in 2.1.1 section of this document.



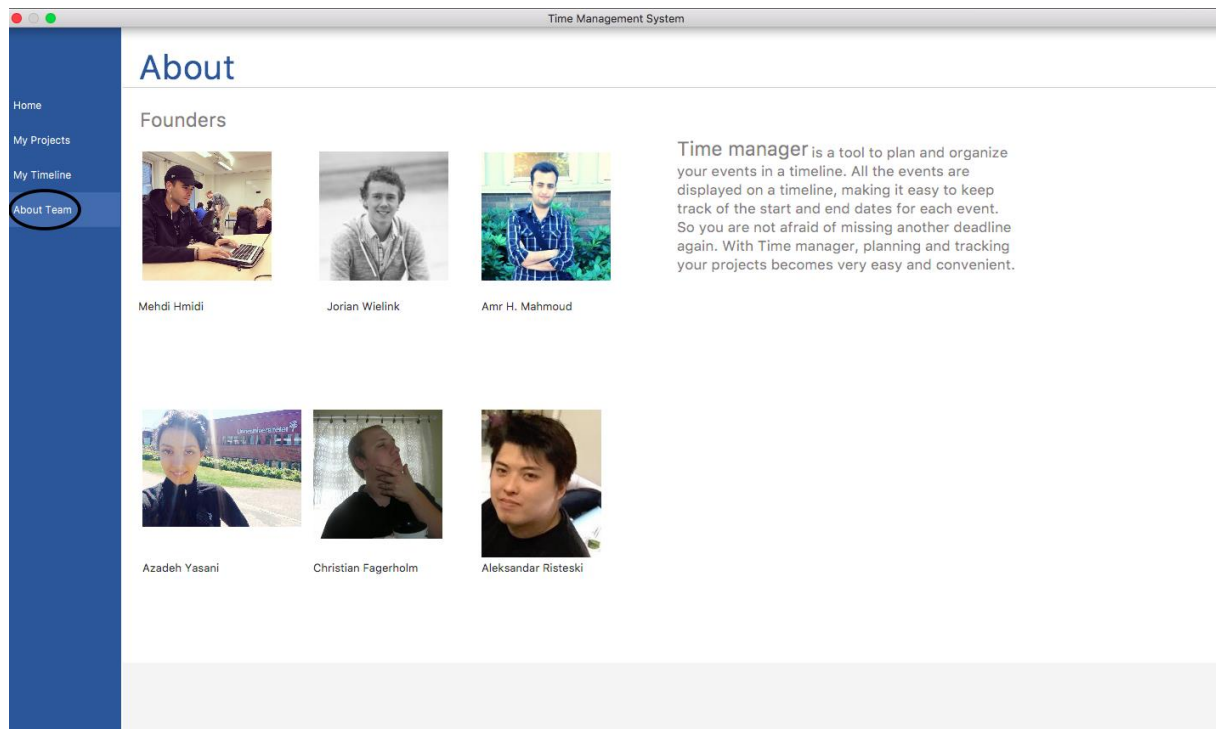
The screenshot shows a web application window titled "Time Management System". On the left is a blue sidebar with navigation links: "Home", "My Projects", "My Timeline" (which is circled in red), and "About Team". The main content area has a header with a back arrow icon and the text "New timeline". Below this is a form with the following fields:

- A text input field labeled "Enter timeline title..."
- A date selection field labeled "Start date..." with a calendar icon.
- A date selection field labeled "End date..." with a calendar icon.
- A large text area labeled "Enter timeline description..."

At the bottom of the form are two buttons: "Save" and "Cancel". To the right of the "Start date" and "End date" fields is a green circular icon containing a calendar.

## 2.5 About Team

By pressing About Team button, the user can access the pictures and names of the Group 4 members.





### **3 Final Words**

Group 4 hopes that the usage of the application would be so handy for the user, and they can make their intended timelines and events by getting help from this User Manual Document. Any suggestions and questions are appreciated.