



FBLA Member Management System

Search

Show All Members

Find Members

Records Displayed: 200

Membership Number	First Name	Last Name	Email	School Grade	School	State	Year Joined	Active?	Amount Owed
427583433	Maryjo	Godard	Maryjo.Goda...	12	Reynoldsbur...	OH	2012	False	\$58.00
434947851	Ping	Carbonell	Ping.Carbone...	9	Lowell High	CA	2012	True	\$35.00
230111020	Sally	Guardado	Sally.Guardad...	12	Staten Island ...	NY	2015	True	\$49.00
594072147	Charlesetta	Heatherly	Charlesetta.H...	10	Payton Colle...	IL	2015	False	\$0.00
264167483	Delta	Serafini	Delta.Serafini...	9	East Granby ...	CT	2011	False	\$20.00
441464555	Patria	Gravely	Patria.Gravely...	9	Staten Island ...	NY	2012	False	\$0.00
335121965	Mazie	Ballenger		9	Oceanside Se...	NY	2014	True	\$10.00
470388333	Bernardo	Elie	Bernardo.Elie...	11	Rye High Sch...	NY	2014	False	\$52.00
516839822	Katlyn	Thrift	Katlyn.Thrift...	12	Desert Moun...	AZ	2013	True	\$25.00
244171510	Tesha	Hippe	Tesha.Hippe...	10	Great Lakes B...	MI	2010	False	\$0.00
415331906	Anya	Etsitty	Anya.Etsitty...	10	New Albany ...	OH	2010	True	\$54.00
317741157	Kenneth	Cody	Kenneth.Cod...	12	Lambert High...	GA	2014	True	\$39.00
425700446	Antonia	Kissner	Antonia.Kissn...	9	Aragon High	CA	2015	True	\$52.00

[Edit Member](#)[Delete Member](#)[Add FBLA Member](#)[Create Report](#)[Close](#)

* Competitor: Suraj Masand
* School: Alpharetta High School in Alpharetta, GA
* Event: Desktop Application Programming
* 2016 Georgia FBLA State Leadership Conference
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* README.txt

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Introduction / Notes

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The FBLA Member Management System application was developed by Suraj Masand from Alpharetta High School for FBLA's Desktop Application Programming competition at the 2016 Georgia FBLA State Leadership Conference. The application has a simple, user-friendly interface that allows the user to view, add, and update data for FBLA members, as well as generate reports from that data. This app also allows the user to save the reports as an Excel spreadsheet or a PDF. Further information on functionality can be found in the "Instructions" section below.

This application was developed using the C# (C-sharp) programming language and the Microsoft Visual Studio 2013 IDE. The app uses an embedded database (SQLite) to store and retrieve the data. A sample of 200 mock records has been included in the database for testing purposes. The app has been tested on Windows 8.1 and Windows 10, but may also work with prior versions of Windows. *Note* The exporting to Excel (.xls) will not work unless Excel is installed on the user's machine.

The original code has been provided and can be opened in Microsoft Visual Studio. In Visual Studio, select the "File" tab, then select "Open" --> "Project/Solution" and navigate to the "SourceCode" folder and the "FBLA-App-1.sln" file inside. To open the code as a text file, you can navigate to "FBLA-App-1" within the "SourceCode" folder, right click on the ".cs" file(s), select "Open with...", and choose a text editor such as Notepad. Also, a PDF of all of the code has been provided, entitled "SourceCodePDF.pdf". A PDF of the screenshots of each screen can also be found, entitled "Screenshots.pdf". Instructions to run and use the program are found below as well as in the "About This Application" page within the application.

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Instructions

[Close](#)


[About this application](#)

FBLA Member Management System

Search

[Show All Members](#)
[First Name](#)
[Begins With](#)

p

[Find Members](#)

Records Displayed: 5

Membership Number	First Name	Last Name	Email	School Grade	School	State	Year Joined	Active?	Amount Owed
203078648	Palmira	Scully	Palmira.Scully...	11	Dr. Ronald M...	NJ	2012	False	\$49.00
434947851	Ping	Carbonell	Ping.Carbone...	9	Lowell High	CA	2012	True	\$35.00
441464555	Patria	Gravely	Patria.Gravely...	9	Staten Island ...	NY	2012	False	\$0.00
479862290	Philomena	Caple	Philomena.Ca...	9	Garnet Valley ...	PA	2012	False	\$41.00
505139479	Patricia	Edick	Patricia.Edick...	10	Metuchen Hi...	NJ	2011	True	\$37.00

[Edit Member](#)
[Delete Member](#)
[Add FBLA Member](#)
[Create Report](#)
[Close](#)

Add FBLA Member

[About this screen](#)

Member Number *

Personal Information

First Name *

Last Name *

Email

School Information

School *

School Grade *

State *

Membership Information

Active Member?

Year Joined *

2016

Amount Owed *

0.00

Fields marked with * are required fields

--- Add or Edit FBLA Member ---

To add a new FBLA Member record to the database, click the "Add FBLA Member" button at the bottom of the Home View window. This will open up a form for inputting the information associated with the FBLA Member. The Membership Number field is the number assigned by FBLA to each student. This number must only contain digits, and must be unique. The First Name and Last Name fields must also be provided. The student's email is an optional field, but if the field is not blank, it must be in a proper email format. The school name must be provided, and the school grade and state must be selected from their drop-down boxes. The final pieces of information include whether the member is active, the year the member joined FBLA, and the amount of money that the member owes. If the member does not owe any money, the default value is 0.00 dollars. Text fields that are invalid will be marked by a red background. Click "Save" at the bottom of the window to create / add the data to the database.

In the Home View, if a row is double-clicked, or if a row is highlighted and "Edit Member" is clicked, the Edit FBLA Member form will open. This form contains the same fields as the Add FBLA Member form, but all the data is pre-populated from the existing record. Here, changes can be made to all of the fields. The fields work the same way as described in the previous paragraph about adding a new FBLA member.

Close

Add FBLA Member

[About this screen](#)

Member Number *

230111020

Not a Unique ID Number

Personal Information

First Name *

James

Last Name *

Email

sss.com

Invalid: Not a Proper Email Format

School Information

School *

FBLA High School

School Grade *

9

State *

CA

Membership Information

Active Member?

Year Joined *

2016

Amount Owed *

0.00yto

Fields marked with * are required fields

[Save](#)[Cancel](#)

Add FBLA Member

[About this screen](#)

Member Number * 7123981274

Personal Information

First Name * James

Last Name * Woods

Email sss@gmail.com

School Information

School * FBLA High School

School Grade * 9

State * CA

Membership Information

Active Member?

Year Joined * 2016

Amount Owed * 0.00

Fields marked with * are required fields

Edit FBLA Member

[About this screen](#)

Member Number * 434947851

Personal Information

First Name * Ping

Last Name * Carbonell

Email ping.carbonell@myemail.

School Information

School * Lowell High

School Grade *

9

State *

CA

Membership Information

Active Member?

Year Joined * 2016

Amount Owed * 35

Fields marked with * are required fields

Generate Membership Report

[About this screen](#)

Report Presets:

[Reset Filters](#)

Select Filters

Include members from state

Include members with status

Include members with amount owed

Include School Grades

 Freshmen (9) Juniors (11) Sophomores (10) Seniors (12)

Sort Report By

 Select all Columns

Select Columns

 Membership Number First Name Last Name Email School School Grade State Amount Owed Year Joined Active/Inactive[Generate Report](#)[Close](#)

--- Create Report Form ---

At the bottom right of the Home View, click the "Create Report" button to start the process of creating a report. Once the new form opens up, select which types of members you would like to include in the report. For the purposes of testing, you may select the presets shown at the top of the window in the drop-down box. The first preset is a list of all members who owe money. The second preset is a list of all the seniors (12th grade students).

Whether or not you choose a preset, the report can be customized. You can choose to include members from a specific state, members who are active/inactive, and/or members who owe money. You can also decide to include members in certain grades. The final filter is to decide how to sort the report. The final options for creating the form is to choose which columns of data to include in the form.

Near the top of the window, you have the option of resetting the filters, as well as selecting all of the columns to be included in the report. Once you have selected your desired options, click "Generate Report" at the bottom of the window.

[Close](#)

Generate Membership Report

[About this screen](#)

Report Presets: Competition Report 1: Master List of Members By State

Select Filters

Include members from state

Include members with status

Include members with amount owed

Include School Grades

 Freshmen (9) Juniors (11) Sophomores (10) Seniors (12)

Sort Report By

 Select all Columns

Select Columns

 Membership Number First Name Last Name Email School School Grade State Amount Owed Year Joined Active/Inactive

Generate Membership Report

[About this screen](#)

Report Presets:

Select Filters

Include members from state

Include members with status

Include members with amount owed

Include School Grades

 Freshmen (9) Juniors (11) Sophomores (10) Seniors (12)

Sort Report By

 Select all Columns

Select Columns

 Membership Number First Name Last Name Email School School Grade State Amount Owed Year Joined Active/Inactive

View Membership Report

[About this screen](#)

Total Records Found: 8

Show 50 ✓ records per page

Page 1 of 1

First

Prev

Next

Last

Membership Number	First Name	Last Name	School Grade	School	State
414529090	Adria	Fiorini	12	Piedmont High	CA
353921726	Alfonso	Folmar	12	Anderson W. Clark Magn...	CA
475819978	Daine	Godard	11	Gretchen Whitney High	CA
393822879	Maria	Palomba	11	Pacific Collegiate Charter	CA
377829365	Maryjane	Wiegand	12	West High	CA
226221934	Miss	Applebaum	12	Torrey Pines High	CA
199037782	Nathanial	Hon	12	Classical Academy High	CA
131902368	Olga	Sensabaugh	11	Diamond Bar High	CA

Total Active Members: 8

Total Inactive Members: 0

Total Members with Amount Owed: 8

Total Amount Owed: \$178.00

[Export to Excel](#)[Save and View PDF](#)[Close](#)

--- Generated Report and Exporting ---

This screen shows a table of the data that was retrieved from the system based on the selected criteria on the "Create Report" screen. In the top left, the total number for records found (based on the previously selected filters) will be shown. In the top center, there is an option to change the number of records shown per page within this window. Based on the selected number of records per page, the number of pages (shown to the right) will be updated. The user can directly type in a page number or use the buttons in the upper-right corner to navigate through the pages. The bottom of the window shows several statistics about the member data that is included in the report. The total number of active and inactive members, the number of members who owe money, and the total amount owed, are all shown near the bottom. Also at the bottom of the page are options to export the report as an Excel file (.xls) or as a PDF.

Note - The exporting to .xls will not work unless Excel is installed on your machine. Since the Excel file is generated programmatically, there will be a confirmation prompt when you first open the Excel spreadsheet file, asking you if you want to continue since the data may not be in the proper format. Select "Yes" to continue and open the Excel file with the report data.

Note - The PDF button will save the report as a PDF and automatically open the file in your computer's default PDF viewer application. From there, you can print the report using your PDF-viewing application. The PDF that is created will include a maximum of 50 records per page, with a footer at the end of the report. The footer contains the same information as the bottom of the report-viewing window.

Close

Report Run Date: 10.05.2016 06:02 PM

Membership #	First Name	Last Name	School Grade	School	State
414529090	Adria	Fiorini	12	Piedmont High	CA
353921726	Alfonso	Folmar	12	Anderson W. Clark Magnet High	CA
475819978	Daine	Godard	11	Gretchen Whitney High	CA
393822879	Maria	Palomba	11	Pacific Collegiate Charter	CA
377829365	Maryjane	Wiegand	12	West High	CA
226221934	Miss	Applebaum	12	Torrey Pines High	CA
199037782	Nathanial	Hon	12	Classical Academy High	CA
131902368	Olga	Sensabaugh	11	Diamond Bar High	CA

Total Number of Members in Report: 8

Total Active Members: 8 Total Inactive Members: 0

Total Members With Amount Owed: 8

Total Amount Owed: \$178.00