Swim Meet Seeding Application

Description

A desktop application for Windows that allows users to seed swim meets. The user can import an Excel Sheet of meet entries, seed meets based on user preferences such as maximum number of events per swimmer, number of lanes in the pool, combining men's and women's events, circle seeding and event seeding order, and export the seeded meet sheet as an Excel Sheet.

The purpose behind this application is to provide a low-cost alternative to College Swim Clubs who cannot afford high end meet seeding software. The meets are seeded according to the event order followed by College Club Swimming.

Input Excel Format

The initial excel format of the meet entries that would be imported into the application. The required column headings are "Name", "Team", and "Gender". The user can input as many "Event" and "Event Time" columns as required.

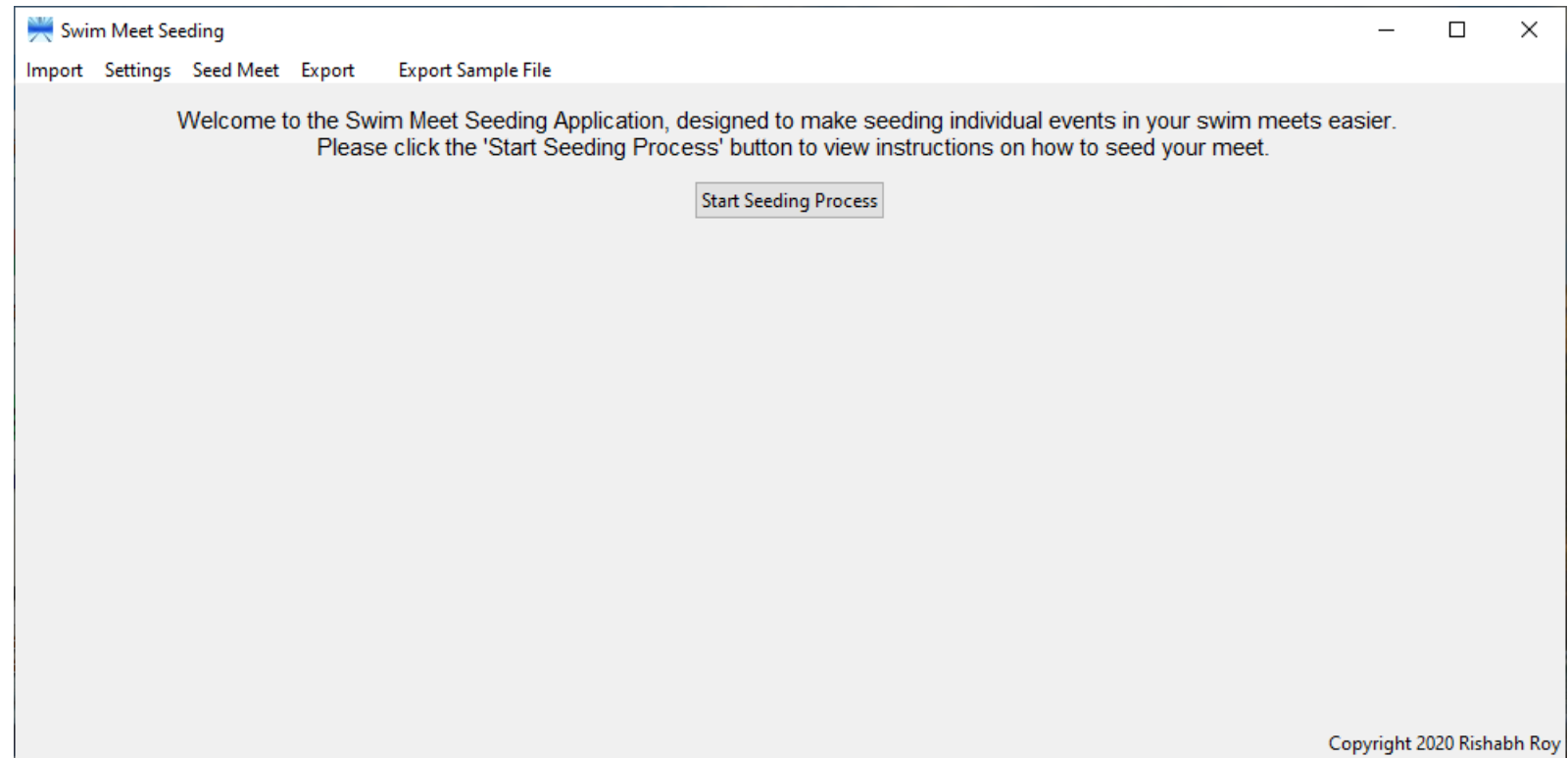| Name	Team	Gender	1st choice event	1st choice event time	2nd choice event	2nd choice event time	3rd choice event	3rd choice event time
Rishabh Roy	CAL	Mens	50 Fly	00:27.87	50 Free	00:26.32	50 Back	00:31.87
John Doe	JHU	Mens	50 Back	00:26.27	100 Back	01:05.00	50 Fly	00:29.00
Mohammad A	UCLA	Mens	100 Breast	01:15.00	100 Free	01:00.00	50 Free	00:26.00
Kriti A	CAL	Womens	50 Fly	00:35.00	100 Back	00:34.50	50 Breast	00:38.00
Jane Doe	CMU	Womens	50 Fly	00:45.00	50 Free	00:45.00	100 IM	01:45.00
Jack A	UCLA	Mens	100 Free	01:01.00	100 Back	01:09.00	100 Breast	01:12.00
Maria A	UCLA	Womens	100 Fly	01:10.00	100 Free	01:10.00	50 Fly	00:30.00
Brad A	CAL	Mens	100 Free	00:51.00	50 Free	00:23.00	50 Fly	00:26.00
Eric A	CMU	Mens	50 Fly	00:27.87	50 Free	00:26.32	50 Back	00:31.87
John A	JHU	Mens	50 Back	00:26.27	100 Back	01:05.00	50 Fly	00:29.00
Rishabh A	JHU	Mens	100 Breast	01:15.00	100 Free	01:00.00	50 Free	00:26.00
Erica A	CAL	Womens	50 Fly	00:35.00	100 Back	00:34.50	50 Breast	00:38.00
Zoe A	CMU	Womens	50 Fly	00:45.00	50 Free	00:45.00	100 IM	01:45.00
Harry A	JHU	Mens	100 Free	01:01.00	100 Back	01:09.00	100 Breast	01:12.00
Rishabh B	CAL	Mens	50 Fly	00:27.87	50 Free	00:26.32	50 Back	00:31.87
John Doe A	JHU	Mens	50 Back	00:26.27	100 Back	01:05.00	50 Fly	00:29.00
Mohammad B	UCLA	Mens	100 Breast	01:15.00	100 Free	01:00.00	50 Free	00:26.00
Kriti B	CAL	Womens	50 Fly	00:35.00	100 Back	00:34.50	50 Breast	00:38.00
Jane Doe A	CMU	Womens	50 Fly	00:45.00	50 Free	00:45.00	100 IM	01:45.00
Jack B	UCLA	Mens	100 Free	01:01.00	100 Back	01:09.00	100 Breast	01:12.00
Maria B	UCLA	Womens	100 Fly	01:10.00	100 Free	01:10.00	50 Fly	00:30.00
Brad B	CAL	Mens	100 Free	00:51.00	50 Free	00:23.00	50 Fly	00:26.00
Eric B	CMU	Mens	50 Fly	00:27.87	50 Free	00:26.32	50 Back	00:31.87
John B	JHU	Mens	50 Back	00:26.27	100 Back	01:05.00	50 Fly	00:29.00
Rishabh C	JHU	Mens	100 Breast	01:15.00	100 Free	01:00.00	50 Free	00:26.00
Erica B	CAL	Womens	50 Fly	00:35.00	100 Back	00:34.50	50 Breast	00:38.00
Zoe B	CMU	Womens	50 Fly	00:45.00	50 Free	00:45.00	100 IM	01:45.00
Harry B	JHU	Mens	100 Free	01:01.00	100 Back	01:09.00	100 Breast	01:12.00
Rishabh D	CAL	Mens	50 Fly	00:27.87	50 Free	00:26.32	50 Back	00:31.87
John Doe B	JHU	Mens	50 Back	00:26.27	100 Back	01:05.00	50 Fly	00:29.00
Mohammad C	UCLA	Mens	100 Breast	01:15.00	100 Free	01:00.00	50 Free	00:26.00
Kriti C	CAL	Womens	50 Fly	00:35.00	100 Back	00:34.50	50 Breast	00:38.00
Jane Doe B	CMU	Womens	50 Fly	00:45.00	50 Free	00:45.00	100 IM	01:45.00
Jack C	UCLA	Mens	100 Free	01:01.00	100 Back	01:09.00	100 Breast	01:12.00
Maria C	UCLA	Womens	100 Fly	01:10.00	100 Free	01:10.00	50 Fly	00:30.00
Brad C	CAL	Mens	100 Free	00:51.00	50 Free	00:23.00	50 Fly	00:26.00
Eric C	CMU	Mens	50 Fly	00:27.87	50 Free	00:26.32	50 Back	00:31.87
John C	JHU	Mens	50 Back	00:26.27	100 Back	01:05.00	50 Fly	00:29.00
Rishabh E	JHU	Mens	100 Breast	01:15.00	100 Free	01:00.00	50 Free	00:26.00
Erica C	CAL	Womens	50 Fly	00:35.00	100 Back	00:34.50	50 Breast	00:38.00
Zoe C	CMU	Womens	50 Fly	00:45.00	50 Free	00:45.00	100 IM	01:45.00
Harry C	JHU	Mens	100 Free	01:01.00	100 Back	01:09.00	100 Breast	01:12.00

Output Excel Format

The final excel format that would be exported after the meet entries have been seeded according to user preferences. Only a portion of the exported file is shown.

Event	Heat	Lane	Name	Team	Time
Event 1: Womens 50 Fly	Heat: 1	2	Jane Doe B	CMU	00:45.00
		3	Jane Doe A	CMU	00:45.00
		4	Jane Doe	CMU	00:45.00
		5	Erica C	CAL	00:35.00
		6	Zoe A	CMU	00:45.00
		7	Zoe B	CMU	00:45.00
		8	Zoe C	CMU	00:45.00
	Heat: 2	1	Kriti C	CAL	00:35.00
		2	Kriti B	CAL	00:35.00
		3	Kriti A	CAL	00:35.00
		4	Maria B	UCLA	00:30.00
		5	Maria A	UCLA	00:30.00
		6	Maria C	UCLA	00:30.00
		7	Erica A	CAL	00:35.00
		8	Erica B	CAL	00:35.00
Event 2: Mens 50 Fly	Heat: 1	2	John Doe B	JHU	00:29.00
		3	John Doe A	JHU	00:29.00
		4	John Doe	JHU	00:29.00
		5	Eric C	CMU	00:27.87
		6	John A	JHU	00:29.00
		7	John B	JHU	00:29.00
		8	John C	JHU	00:29.00
	Heat: 2	1	Rishabh D	CAL	00:27.87
		2	Rishabh B	CAL	00:27.87
		3	Rishabh Roy	CAL	00:27.87
		4	Brad B	CAL	00:26.00
		5	Brad A	CAL	00:26.00
		6	Brad C	CAL	00:26.00
		7	Eric A	CMU	00:27.87
		8	Eric B	CMU	00:27.87
Event 3: Womens 50 Free	Heat: 1	2	Zoe C	CMU	00:45.00
		3	Zoe B	CMU	00:45.00
		4	Zoe A	CMU	00:45.00
		5	Jane Doe	CMU	00:45.00
		6	Jane Doe A	CMU	00:45.00
		7	Jane Doe B	CMU	00:45.00
Event 4: Mens 50 Free	Heat: 1	2	Rishabh D	CAL	00:26.32
		3	Rishabh B	CAL	00:26.32
		4	Rishabh Roy	CAL	00:26.32
		5	Rishabh E	JHU	00:26.00
		6	Eric A	CMU	00:26.32
		7	Eric B	CMU	00:26.32
		8	Eric C	CMU	00:26.32

Walkthrough

Home Page

The home page that greets the user when they first open the application.

Swim Meet Seeding

Import   Settings   Seed Meet   Export   Export Sample File

Welcome to the Swim Meet Seeding Application, designed to make seeding individual events in your swim meets easier.
Please click the 'Start Seeding Process' button to view instructions on how to seed your meet.

Start Seeding Process

Walkthrough

Instruction Page

The instruction page walks the user through the steps they need to take to successfully import, seed their swim meet, and export their Meet Sheet.

Swim Meet Seeding

Import   Settings   Seed Meet   Export   Export Sample File

Please follow the instructions to seed your meet:

1) Export sample file using the 'Export Sample File' tab in the menu bar.
Please open and follow the instructions in this file before proceeding with the rest of the seeding process.
(Note and follow column headers)

2) Import Excel File containing meet entries using 'Import' tab in the menu bar.

3) Click on the 'Settings' tab in the menu bar and fill out all the fields.

4) Click the 'Seed' tab in the menu bar to seed the meet.

5) Click the 'Export' tab in the menu bar to export the seeded results to the desired folder.

Walkthrough

Export Sample File

Exporting the sample file is the first step in seeding the user's swim meet. This file informs the user on the required column headers.

Timestamp	Email Address	Name	Team	Gender	1st choice event	1st choice event time	2nd choice event	2nd choice event time	3rd choice event	3rd choice event time

Event choice and time fields are up to user. The "Name", "Team", and "Gender" fields are mandatory. Please follow the column headers.
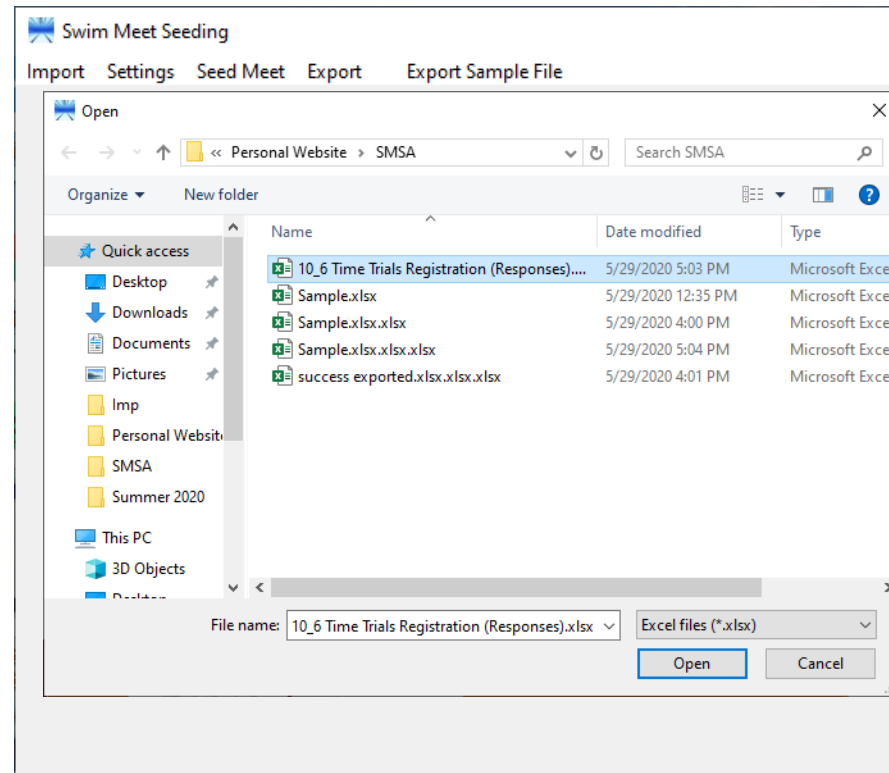
This is the format when you export a Google Form as an Excel File. The "Timestamp" field is not required but rather an artifact from exporting the Google Form as an Excel File.

Walkthrough

Import Meet Entries

Importing the excel file with all the meet entries is the second step in seeding the user's swim meet. Any Excel File can be imported if it has all the necessary columns with their respective headers.
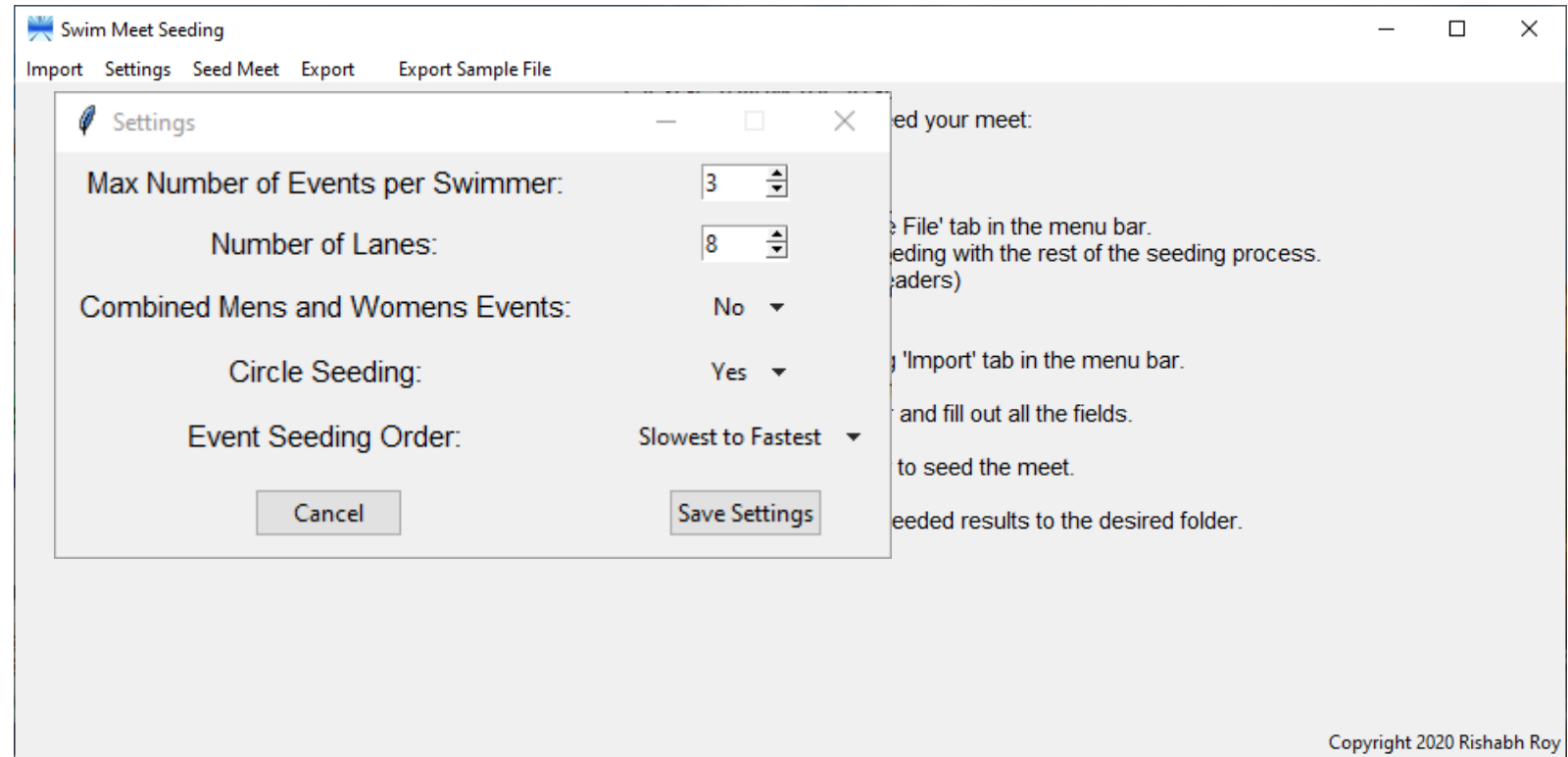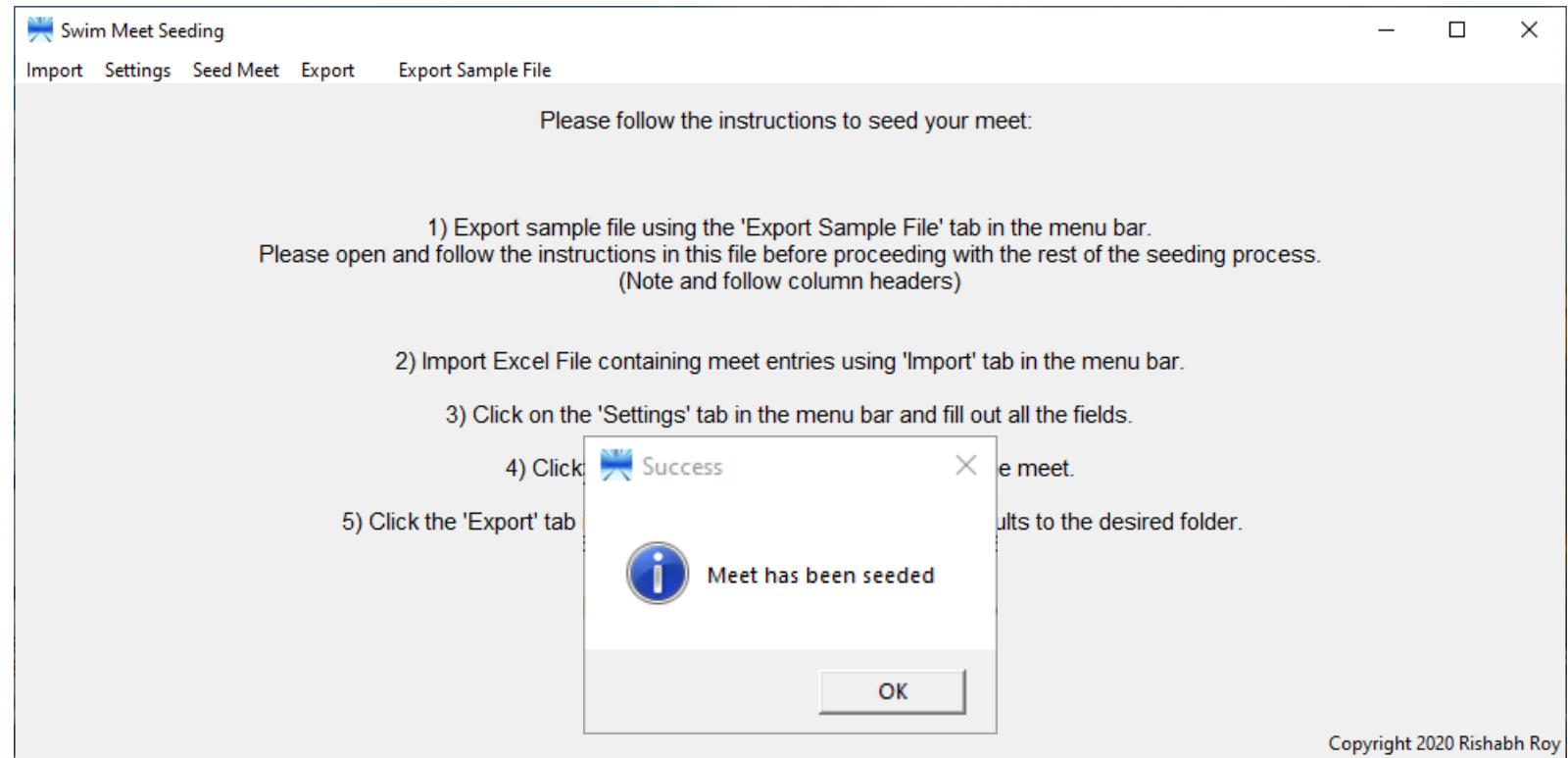
Walkthrough

Settings Page

Filling out the Settings Page is the third step in seeding the user's swim meet. These settings dictate the number of events per swimmer, the number of swimmers per heat, and other requirements for seeding the meet entries.

Swim Meet Seeding

Import   Settings   Seed Meet   Export   Export Sample File

Settings

Max Number of Events per Swimmer:	3
Number of Lanes:	8
Combined Mens and Womens Events:	No ▾
Circle Seeding:	Yes ▾
Event Seeding Order:	Slowest to Fastest ▾

Cancel   Save Settings

ed your meet:

e File' tab in the menu bar.
eding with the rest of the seeding process.
aders)

'Import' tab in the menu bar.

and fill out all the fields.

to seed the meet.

eeded results to the desired folder.

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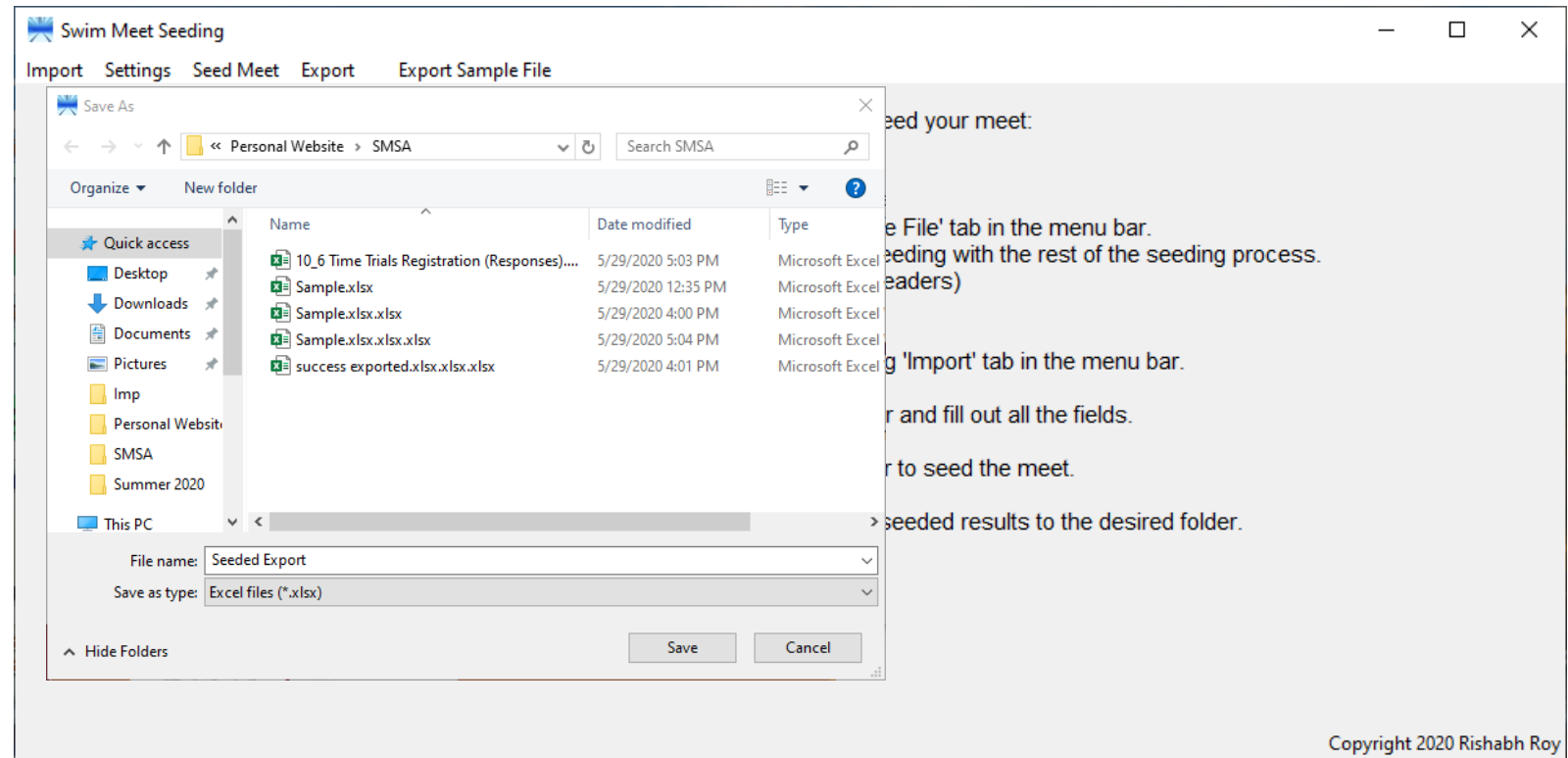# Walkthrough

Seeding the Meet

Clicking the "Seed Meet" button is the fourth step in seeding the user's swim meet. Once the button is clicked, and if all previous steps have been followed, a success message pops up signifying the meet entries have been properly seeded.

Swim Meet Seeding

Import   Settings   Seed Meet   Export   Export Sample File

Please follow the instructions to seed your meet:

1) Export sample file using the 'Export Sample File' tab in the menu bar.
Please open and follow the instructions in this file before proceeding with the rest of the seeding process.
(Note and follow column headers)

2) Import Excel File containing meet entries using 'Import' tab in the menu bar.

3) Click on the 'Settings' tab in the menu bar and fill out all the fields.

4) Click   e meet.

5) Click the 'Export' tab   ults to the desired folder.

Success

Meet has been seeded

OK

Walkthrough

Export Seeded Meet

Exporting the seeded Meet Sheet is the final step in completing the process of seeding the user's meet. The user can save the Meet Sheet to any location.

Features

Success / Failure Pop-Ups

If a task is completed successfully, then a success pop-up appears. If a task is aborted midway through or a task is not completed properly, then an error pop-up appears.
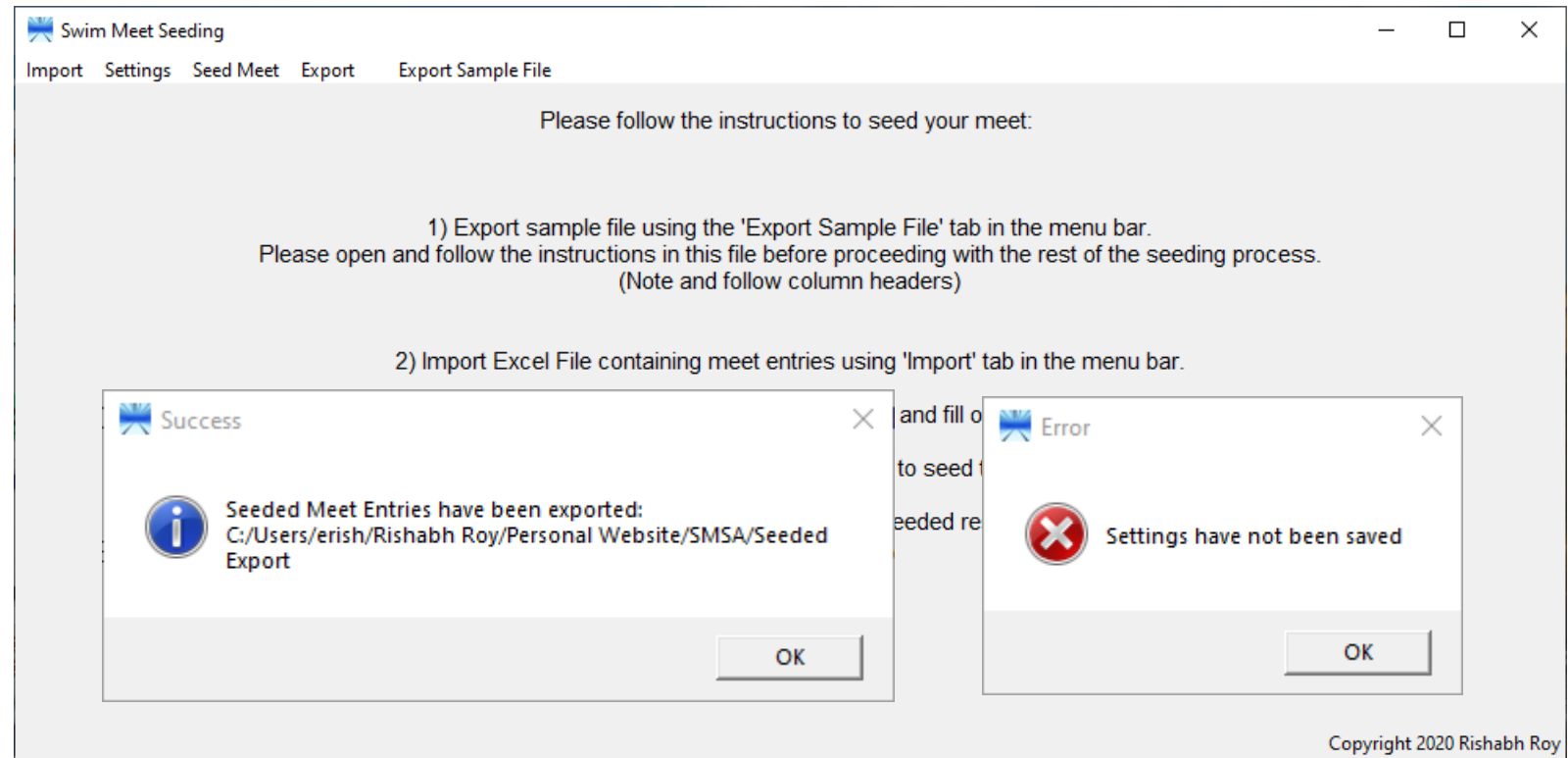
Features

Warning Pop-Ups

If the proper order of events is not followed in the seeding process, a warning pop-up appears, asking the user to complete the previous required task before proceeding with the next task.
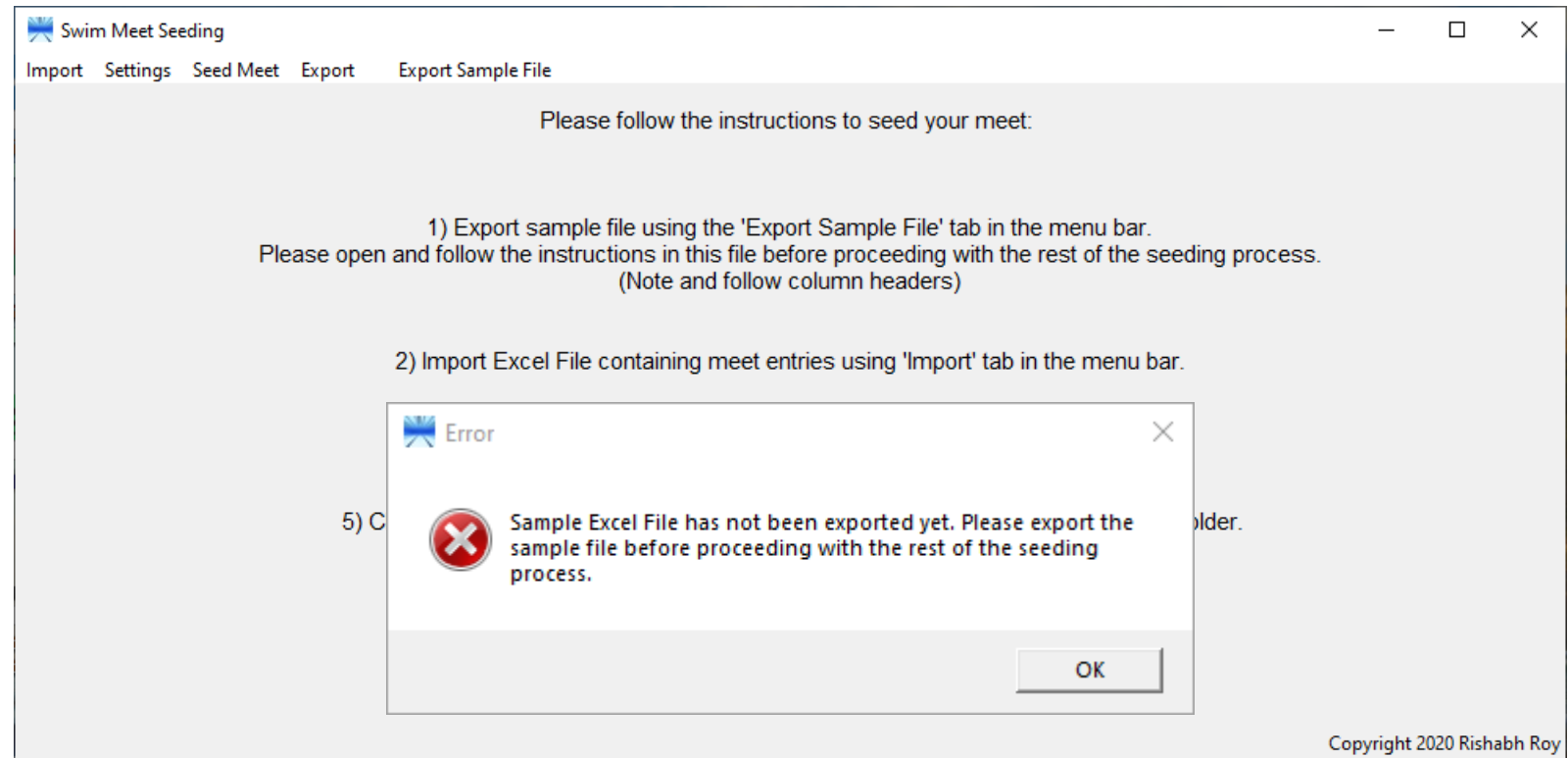
Features

Unexpected App Close

If the user tries to close the application before exporting the seeded meet and the meet has been seeded successfully, then a warning message pops up asking for user confirmation before closing the application.