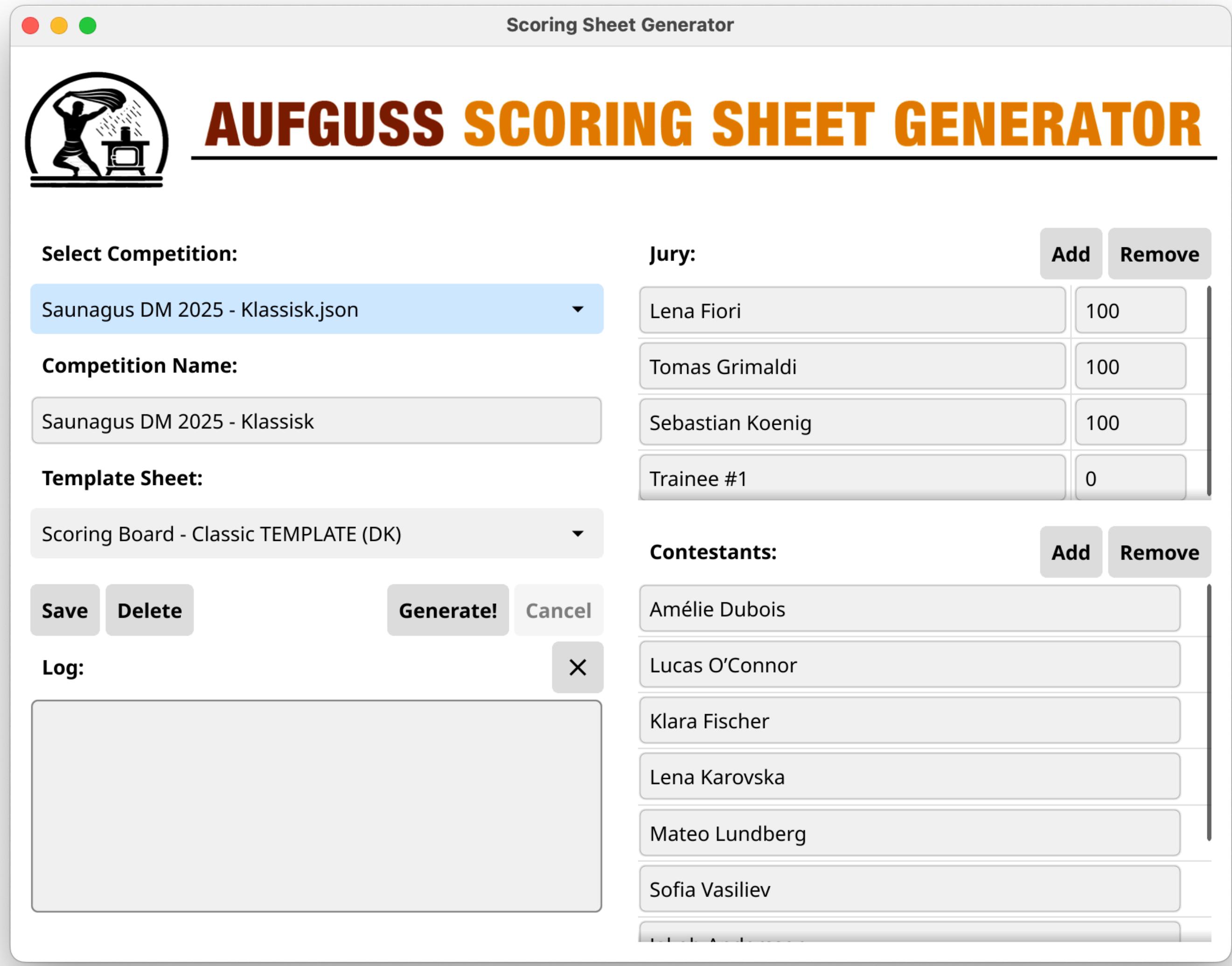
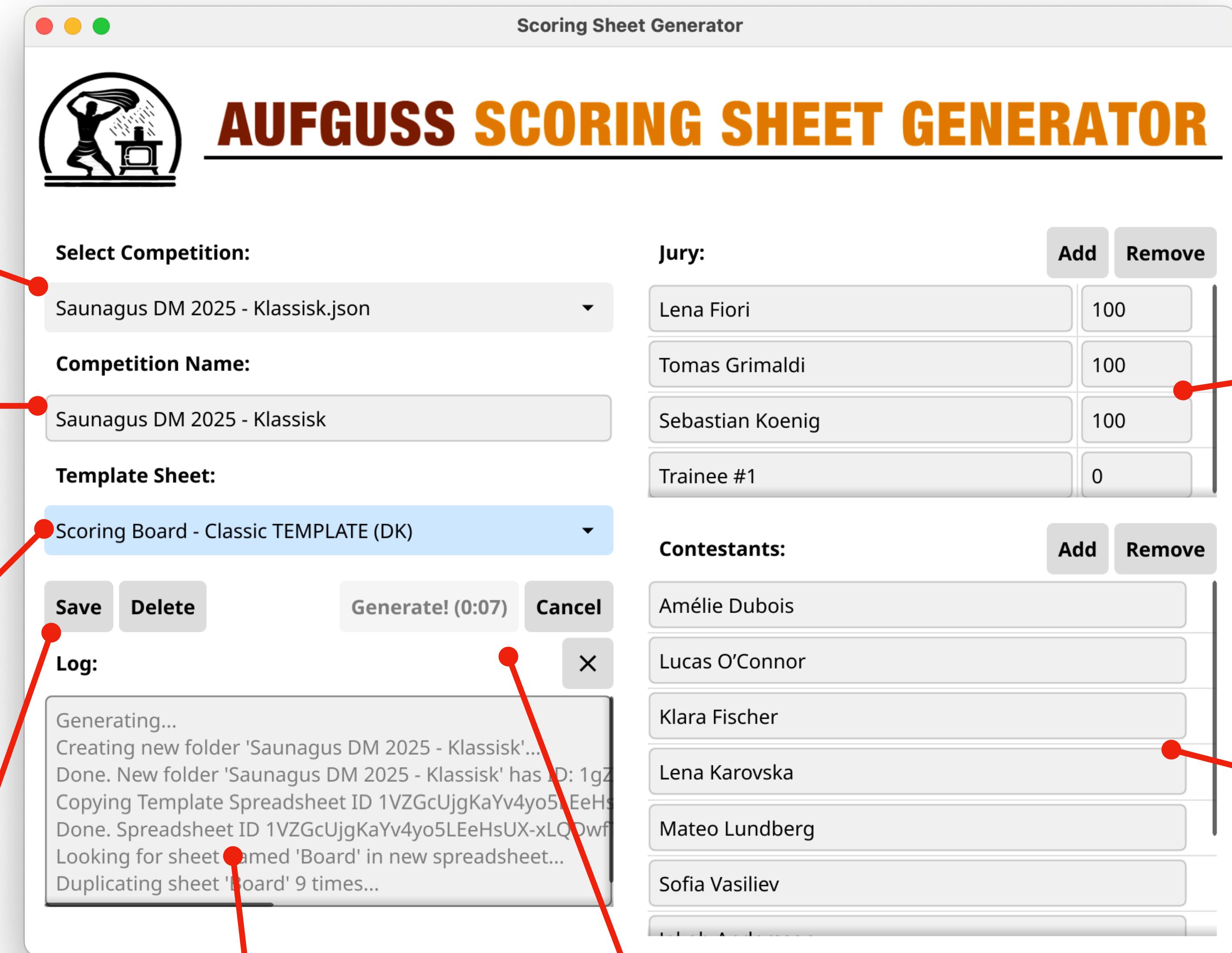


# Aufguss Scoring Generator



**Automated Generation  
of Scoring Sheets for  
Jurors in an Aufguss  
Competition Using a  
Google Sheet Template**

Provided freely to the sauna community by  
Kasper Skårhøj, December 2024  
<https://github.com/kasperskaarhoj/aufgussscoring>



Select a saved competition profile from this drop-down menu.

Enter your competition name here. This name will be used for the folder in Google Drive holding the scoring sheets. It will also be the filename of the competition when you click "Save."

The Template Sheet is a Google Sheet in your Drive that serves as the basis for this competition. Use it to define categories and point allocations.

Click "Save" to save a competition profile. Click "Delete" to remove a competition profile.

The log field displays actions taken during the generation process (technical details).

Generate! (0:07) Cancel

Click "Generate!" to create scoring sheets in Google Drive.

Add juror names here. Each juror is assigned a weight in percentage. A full member of the jury typically has a weight of 100. Trainees can have a weight of 0, so their points are visible but not counted in the final score.

Add contestant names here.

# Google Drive Setup

- Create a folder named "Aufguss Scoring Sheets" in your Google Drive.
- In this folder, all Google Sheets at the root level will be available in the Aufguss Scoring Generator as Template Sheets.
- The Aufguss Scoring Generator will create subfolders within this folder, each containing a set of sheets for a specific competition.

The Folder ID

A generated competition

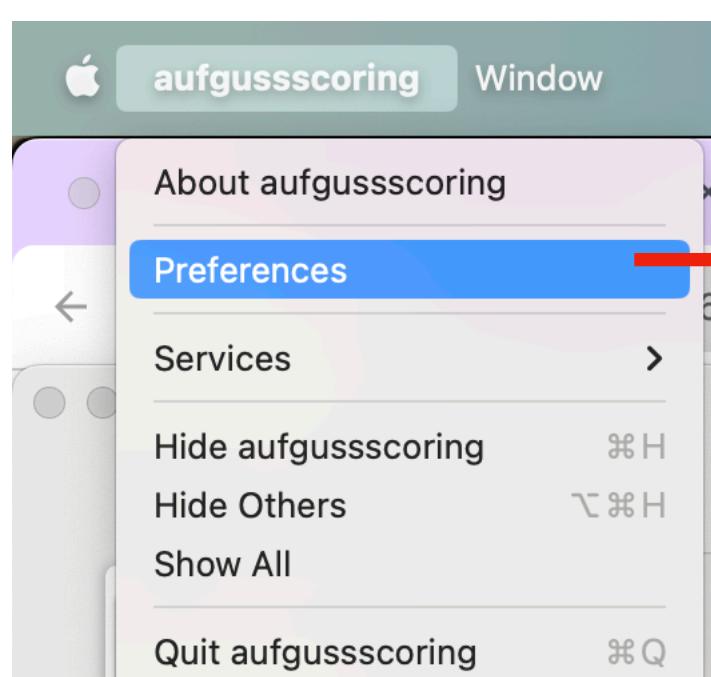
Template Scoring Sheets

drive.google.com/drive/u/1/folders/166oePFGeddWcho14g5bXULF6B6Bb5vO6?ths=true

Name	Owner	Last modified	File size	Actions
Saunagus DM 2025 - Klassisk	aufguss-scor...	2:21 PM	—	⋮
Scoring Board - Classic TEMPLATE (DK)	me	11:35 AM	42 KB	⋮
Scoring Board - Classic TEMPLATE (UK)	me	Dec 14, 2024	7 KB	⋮

# Preferences

The Aufguss Scoring Generator requires the ID of the folder you created in Google Drive. This ID must be entered in the preferences.

A composite screenshot showing the "Preferences" dialog and a Google Drive folder. The "Preferences" dialog is in the foreground, showing the "Google Drive Folder ID:" field with the value "166oePFGeddWcho14g5bXULF6B6Bb5vO6". A red arrow points from the "Google Drive Folder ID:" field in the dialog to the URL bar of the Google Drive interface. Another red arrow points from the "Save" button in the dialog to the "Upload JSON Key" button in the dialog, with a callout bubble stating "The Service Account JSON file must be uploaded here. (See instructions later)".

The screenshot shows the "Preferences" dialog of the "aufgussscoring" application. The "Google Drive Folder ID:" field contains the value "166oePFGeddWcho14g5bXULF6B6Bb5vO6". Below it, there is a section for uploading a Google Service Account JSON key, with a "Save" button. In the background, a Google Drive window is open, showing a folder named "Mit drev" containing an item named "Aufguss Scoring Sheets". The URL in the browser's address bar is "drive.google.com/drive/u/1/folders/166oePFGeddWcho14g5bXULF6B6Bb5vO6?ths=true".

The Service Account JSON file must be uploaded here.  
(See instructions later)

# Scoring Sheets

- In the competition folder, a scoring sheet is created for each juror, along with an overview sheet for the jury administrator.
- These sheets are generated by the Aufguss Scoring Generator application and must be shared with the respective individuals assigned to each role.

Mit drev > Aufguss Scoring Sheets > Saunagus DM 2025 - Kla... <span>⋮</span> <span>👤</span> <span>✓≡</span> <span>grid</span> <span> ⓘ</span>					
Type	People	Modified	Owner	Last modified	File size
<span>+</span> Saunagus DM 2025 - Klassisk - Overview <span>👤</span>			<span>A</span> aufguss-scor...	2:22 PM	109 KB
<span>+</span> Saunagus DM 2025 - Klassisk - Scoring Juror #1 (Lena Fiori) <span>👤</span>			<span>A</span> aufguss-scor...	2:21 PM	49 KB
<span>+</span> Saunagus DM 2025 - Klassisk - Scoring Juror #2 (Tomas Grimaldi) <span>👤</span>			<span>A</span> aufguss-scor...	2:21 PM	49 KB
<span>+</span> Saunagus DM 2025 - Klassisk - Scoring Juror #3 (Sebastian Koenig) <span>👤</span>			<span>A</span> aufguss-scor...	2:21 PM	49 KB
<span>+</span> Saunagus DM 2025 - Klassisk - Scoring Juror #4 (Trainee #1) <span>👤</span>			<span>A</span> aufguss-scor...	2:21 PM	49 KB

An overview sheet displaying all points, accessible only to the administrator.

Individual sheets for each juror, shared with them for exclusive access.

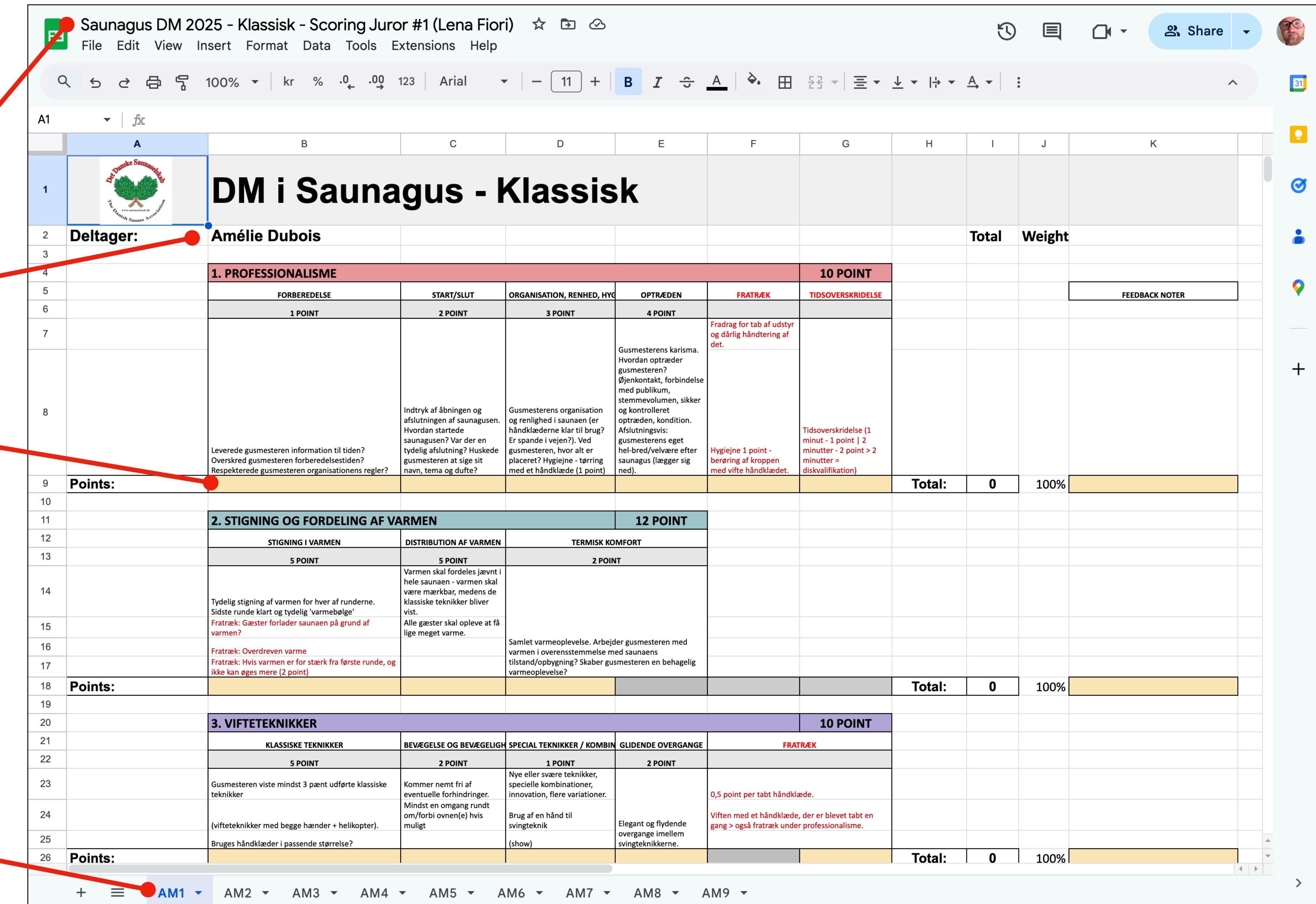
# Scoring Sheets

The juror's name is included in the sheet title.

The contestant's name is displayed on their respective sheet.

Jurors should enter points only in the pale yellow fields.  
Instructions for assigning points are provided in the surrounding text.

Each contestant is assigned a numbered sheet, such as AM1 to AM9 (AM standing for Aufguss Master).



DM i Saunagus - Klassisk									
A	B	C	D	E	F	G	H	I	J
1									
2	Deltager:	Amélie Dubois							
3									
4									
5	<b>1. PROFESSIONALISME</b>					<b>10 POINT</b>			
6	FORBEREDELSÉ	START/SLUT	ORGANISATION, RENHED, HYGIENE	OPTRÆDEN	FRATRÆK	TIDSOVERSKRIDELSE			
7	1 POINT	2 POINT	3 POINT	4 POINT					
8									
9	Points:	Leverede gusmesteren information til tiden? Overskred gusmesteren forberedelsesiden? Respekterede gusmesteren organisationens regler?	Indtryk af åbningen og afslutningen af saunagusen. Hvordan startede saunagusen? Var der en tydelig afslutning? Huskede gusmesteren at sige sit navn, tema og dufte?	Gusmesterens organisation og renlighed i saunaen (er håndklæderne klar til brug? Er spandte i vejen?). Ved gusmesteren, hvor alt er placeret? Hygiejne - tørring med et håndklæde (1 point)	Gusmesterens karisma. Hvordan optræder gusmesteren? Øjenkontakt, forbindelse med publikum, stemmevolumen, sikker og kontrolleret optræden, kondition. Afslutningsvis: gusmesterens eget hel-bred/velvære efter saunaus (lægger sig ned).	Frædrag for tab af udstyr og dårlig håndtering af det.	Tidoverskridelse (1 minut = 1 point   2 minutter = 2 point > 2 minutter = diskvalifikation)	Total:	0
10									
11	<b>2. STIGNING OG FORDELING AF VARMEN</b>					<b>12 POINT</b>			
12	STIGNING I VARMEN	DISTRIBUTION AF VARMEN	TERMISK KOMFORT						
13	5 POINT	5 POINT	2 POINT						
14	Tydelig stigning af varmen for hver af runderne. Sidste runde klart og tydelig 'varmebølge'	Varmen skal fordeles jævnt i hele saunaen - varmen skal være mærkbart, medens de klassiske teknikker bliver vist.							
15	Fratræk: Gæster forlader saunaen på grund af varmen?	Alle gæster skal opleve at få lige meget varme.							
16	Fratræk: Overdrevne varme	Samlet varmoplevelse. Arbejder gusmesteren med varmen i overensstemmelse med saunaens tilstand/opbygning? Skaber gusmesteren en behagelig varmoplevelse?							
17	Fratræk: Hvis varmen er for stærk fra første runde, og ikke kan øges mere (2 point)								
18	Points:								
19									
20	<b>3. VIFTETEKNIKKER</b>					<b>10 POINT</b>			
21	KLASISKE TEKNIKKER	BEVÆGELSE OG BEVÆGELIGHED	SPECIAL TEKNIKKER / KOMBIN.	GLIDENDE OVERGANGE	FRATRÆK				
22	5 POINT	2 POINT	1 POINT	2 POINT					
23	Gusmesteren viste mindst 3 pænt udførte klassiske teknikker (vifteteknikker med begge hænder + helikopter).	Kommer nemt fri af eventuelle forhindringer. Mindst en omgang rundt om/forbi ovnen(e) hvis muligt	Nye eller svære teknikker, specielle kombinationer, innovation, flere variationer.		0,5 point per tabt håndklæde.				
24		Brug af en hånd til svingteknik	(show)		Viften med et håndklæde, der er blevet tabt en gang > også fratræk under professionalisme.				
25									
26	Points:								
	+ <span style="border: 1px solid black; padding: 2px;">AM1</span> ▾	AM2 ▾	AM3 ▾	AM4 ▾	AM5 ▾	AM6 ▾	AM7 ▾	AM8 ▾	AM9 ▾

# The Overview Scoring Sheet

The Overview Scoring Sheet utilizes advanced formulas to reference values from the individual juror sheets. It is automatically extended with a row for each juror, including their assigned weight.

Saunagus DM 2025 - Klassisk - Overview

File Edit View Insert Format Data Tools Extensions Help

A1 | fx

1 | A | B | C | D | E | F | G | H | I | J | K

**DM i Saunagus - Klassisk**

**Deltager:** Amélie Dubois

**1. PROFESSIONALISME** **10 POINT**

FORBEREDELSE	START/SLUT	ORGANISATION, RENHED, HYGIENE	OPTRÆDEN	FRATRÆK	TIDSOVERSKRIDELSE
1 POINT	2 POINT	3 POINT	4 POINT		
Leverede gusmesteren information til tiden? Overskred gusmesteren forberedelsesiden? Respekterede gusmesteren organisationens regler?	Indtryk af åbningen og afslutningen af saunaen. Hvordan startede saunaen? Var der en tydelig afslutning? Huskede gusmesteren at sige sit navn, tema og duft?	Gusmesterens organisation og renlighed i saunaen (er håndklæderne klar til brug? Er spande i vejen?). Ved gusmesteren, hvor alt er placeret? Hygiejne - tørring med et håndklæde (1 point)	Gusmesterens karisma. Hvordan optræder gusmesteren? Øjenkontakt, forbindelse med publikum, stemmevolumen, sikker og kontrolleret optræden, kondition. Afslutningsvis: gusmesterens eget hel-bred/velvære efter saunaus (lægger sig ned).	Fradrag for tab af udstyr og dårlig håndtering af det.	Tidsoverskridelse (1 minut - 1 point   2 minutter - 2 point > 2 minutter = diskvalifikation)
<b>Lena Fiori</b>	#REF!				Total: #REF! 100% #REF!
<b>Tomas Grimaldi</b>	#REF!				Total: #REF! 100% #REF!
<b>Sebastian Koenig</b>	#REF!				Total: #REF! 100% #REF!
<b>Trainee #1</b>	#REF!				Total: #REF! 0% #REF!

**2. STIGNING OG FORDELING AF VARMEN** **12 POINT**

STIGNING I VARMEN	DISTRIBUTION AF VARMEN	TERMISK KOMFORT			
5 POINT	5 POINT	2 POINT			
Tydelig stigning af varmen for hver af runderne. Sidste runde klart og tydelig 'varmebølge'	Varmen skal fordeles jævn i hele saunaen - varmen skal være mærkbart, medens de klassiske teknikker bliver vist.				
Fratræk: Gæster forlader saunaen på grund af varmen?	Alle gæster skal opleve at få lige meget varme.				
Fratræk: Overdriven varme					
Fratræk: Hvis varmen er for stærk fra første runde, og ikke kan øges mere (2 point)					
<b>Lena Fiori</b>	#REF!				Total: #REF! 100% #REF!
<b>Tomas Grimaldi</b>	#REF!				Total: #REF! 100% #REF!
<b>Sebastian Koenig</b>	#REF!				Total: #REF! 100% #REF!
<b>Trainee #1</b>	#REF!				Total: #REF! 0% #REF!

**3. VIFTEKNIKKER** **10 PC**

KLASISKE TEKNIKKER	BEVÆGELSE OG BEVÆGELIGHED	SPECIAL TEKNIKKER / KOMBINERET	GLIDENDE OVERGANGE	FRATRÆK

You need to connect these spreadsheets. The first time the

AM1 AM2 AM3 AM4 AM5 AM6 AM7 AM8 AM9

# The Overview Scoring Sheet

For technical security reasons, you must click and grant access to the fields labeled "#REF!". This needs to be done only once per juror. Once access is granted, the imported values from the juror sheets will become visible.

	Respekterede gusmesteren organisationens regler? navn, tema og dufte?	med et håndklæde (1 point) ned).
Lena Fiori	#REF!	
Tomas Grimaldi	#REF!	
Sebastian Koenig	#REF!	
Trainee #1	#REF!	
	2. STIGNING OG FORDELING AF VA	
	STIGNING I VARMEN	
	5 POINT	

You need to connect these spreadsheets. The first time the destination spreadsheet pulls data from a new source spreadsheet, permission is needed to be granted.

[Learn more](#) [Allow access](#)

# The Overview Scoring Sheet

At the bottom of the Overview Sheet, you will find the total points. All calculations are performed by the spreadsheet, allowing for flexible adjustments by editing the Template Sheets.

# Printing

Print settings Total: 2 pages

CANCEL

NEXT

DM i Saunagus - Klassisk						
Deltager:	Amélie Dubois					
1. PROFESSIONALISME					10 POINT	
	FORBEREDELSE	START/SLUT	ORGANISATION, RENHED, HYGIENE	OPTRÆDEN	FRATRÆK	
	1 POINT	2 POINT	3 POINT	4 POINT	TIDOVERSKRIDELSE	
Leverede gusmesteren information til tiden? Overskred gusmesteren forberedelsesstiden? Respekterede gusmesteren organisationens regler?	Indtryk af åbningen og afslutningen af saunagussen. Hvordan startede saunagussen? Var der en tydelig afslutning? Huskede gusmesteren at sige sit navn, tema og dørene?	Gusmesterens organisation og renlighed i saunaen (er håndklæderne klar til brug? Er spande i væjen?). Ved gusmesteren, hvor alt er placeret? Hygiejne - tørring med et håndklæde (1 point)	Gusmesterens karisma. Hvordan opnårer gusmesteren? Danskontakt, forbindelse med publikum, stemmevoluumen, sikker og kontrolleret optræden, kondition.	Fradrag for tab af udstyr og dårlig håndtering af det.	Hygiejne 1 point - beringer af tøren med vitté håndklædet. Tidoverskridelse (1 minut - 1 point   2 minutter - 2 point > 2 minutter = diskvalifikation)	
<b>Lena Fiori</b>	<b>0,8</b>	<b>1,4</b>	<b>2,4</b>	<b>3,5</b>	<b>Total: 8,1</b> 100% <b>Information was late</b>	
<b>Tomas Grimaldi</b>	<b>0,45</b>	<b>1,5</b>	<b>2,3</b>	<b>3,4</b>	<b>Total: 7,65</b> 100% <b>Secure more eye contact with the sauna guests</b>	
<b>Sebastian Koenig</b>	<b>0,85</b>	<b>1,6</b>	<b>2,8</b>	<b>3,4</b>	<b>Total: 7,65</b> 100% <b>Overtime by 10 seconds</b>	
<b>Trainee #1</b>	<b>0,8</b>	<b>1,9</b>	<b>1,4</b>	<b>2,3</b>	<b>Total: 3,4</b> 0% <b>I have no clue...</b>	
2. STIGNING OG FORDELING AF VARMEN					12 POINT	
	STIGNING I VARMEN	DISTRIBUTION AF VARMEN	TERMISK KOMFORT			
	5 POINT	5 POINT	2 POINT			
Tydelig stigning af varmen for hver af runderne. Sidste runde klat og tydelig "varmebelge". Fratræk: Gæster forlader saunaen på grund af varmen?	Varmen skal fordeltes jænt i hele saunaen - varmen skal være mærkbart - medens de klassiske teknikker bliver vist.	Alle gæster skal opleve at få lige meget varme.	Samlet varmepoplevelse. Arbejder gusmesteren med varmen i overensstemmelse med saunaens tilstand/opbygning? Skaber gusmesteren en behagelig varmepoplevelse?			
<b>Lena Fiori</b>	<b>4,8</b>	<b>2,5</b>	<b>1,5</b>		<b>Total: 8,8</b> 100% <b>Too much heat during first oil</b>	
<b>Tomas Grimaldi</b>	<b>2,7</b>	<b>4,3</b>	<b>1,6</b>		<b>Total: 8,6</b> 100% <b>Fantastic management of the heat!</b>	
<b>Sebastian Koenig</b>	<b>4,5</b>	<b>5</b>	<b>2</b>		<b>Total: 11,5</b> 100%	
<b>Trainee #1</b>	<b>4,5</b>	<b>4,6</b>	<b>1,4</b>		<b>Total: 10,5</b> 0% <b>Lots to learn, keep going. I like you attitude.</b>	
3. VIFTETEKNIKKER						
	KLASSIKKE TEKNIKKER	BEVÆGELSE OG BEVÆGELIGHED	SPECIAL TEKNIKKER / KOMBIN.	GLIDENDE OVERGANGE	FRATRÆK	
	5 POINT	2 POINT	1 POINT	2 POINT		
Gusmesteren viste mindst 3 pænt udførte klassiske teknikker	Kommer nemt fri af eventuelle forhindringer. Mindst en omgang rundt om/forbi ovnen(e) hvis muligt	Nye eller svære teknikker, specielle kombinationer, innovation, flere variationer.	Brug af en hånd til svingteknik (show)	Elegant og flydende overgange imellem svingteknikerne.	0,5 point per tabt håndklæde.	
Bruges håndklæder i passende størrelse?					Viften med et håndklæde, der er blevet tabt en gang > også fratræk under professionalisme.	
<b>Lena Fiori</b>	<b>5</b>	<b>1,6</b>	<b>0,8</b>	<b>1,9</b>	<b>-0,5</b>	<b>Total: 8,8</b> 100% <b>Dropped one towel, great foot work</b>
<b>Tomas Grimaldi</b>	<b>3,4</b>	<b>1,5</b>	<b>0,9</b>	<b>1,5</b>	<b>-1</b>	<b>Total: 6,3</b> 100%
<b>Sebastian Koenig</b>	<b>4,9</b>	<b>1,9</b>	<b>1</b>	<b>2</b>		<b>Total: 9,8</b> 100% <b>Fantastic waving!</b>
<b>Trainee #1</b>	<b>4,3</b>	<b>0,1</b>	<b>0,4</b>	<b>1,4</b>		<b>Total: 6,2</b> 0%
4. DUFTE OG DERES DOSERING						
	10 POINT					

Just print the sheet to a PDF file if you wish to share the results and feedback.

Print

Current sheet

Paper size

Letter (8.5" x 11")

Page orientation

Landscape

Portrait

Scale

Fit to width

Margins

Normal

SET CUSTOM PAGE BREAKS

Formatting

Headers & footers

# **Template Sheet Format**

**Kasper Skårhøj, December 2024**

# The Template Sheet format

Cell B2 is used always for  
the contestant name

- Any row with "Points:" in the A-column is identified as a *point-row*. These rows are imported into the Overview sheet for aggregation.
  - Every cell in a point-row from column B until the value "Total:" is found is considered a range of potential point fields.
  - Columns following the total field are fixed:
    - The first is the total field.
    - The second is the weight in percent.
    - The third is the feedback comment field.

Scoring Board - Classic TEMPLATE (DK) ★ 📁 🌐 Share

A1 | fx

A		B	C	D	E	F	G	H	I	J	K
1		<h1>DM i Saunagus - Klassisk</h1>									
2	<b>Deltager:</b> [Navn bliver indsat her]										
3											
4	<b>1. PROFESSIONALISME</b>						<b>10 POINT</b>				
5	FORBEREDELSE	START/SLUT	ORGANISATION, RENHED, HYG	OPTRÆDEN	FRATRÆK	TIDSOVERSKRIDELSE	FEEDBACK NOTER				
6	1 POINT	2 POINT	3 POINT	4 POINT							
7	Leverede gusmesteren information til tiden? Overskred gusmesteren forberedesiden? Respekterede gusmesteren organisationens regler?	Indtryk af åbningen og afslutningen af saunagusen. Hvordan startede saunagusen? Var der en tydelig afslutning? Huskede gusmesteren at sige sit navn, tema og duft?	Gusmesterens organisation og renlighed i saunaen (er håndklæderne klar til brug? Er spande i vejen?). Ved gusmesteren, hvor alt er placeret? Hygiejne - tørring med et håndklæde (1 point)	Gusmesterens karisma. Hvordan optræder gusmesteren? Øjenkontakt, forbindelse med publikum, stemmevolumen, sikker og kontrolleret optræden, kondition. Afslutningsvis: gusmesterens eget hel-bred/velvære efter saunagus (lægger sig ned).	Fradrag for tab af udstyr og dårlig håndtering af det.	Tidsoverskridelse (1 minut - 1 point   2 minutter - 2 point > 2 minutter = diskvalifikation)					
8											
9	<b>Points:</b>						<b>Total:</b> 0	100%			
10	<b>2. STIGNING OG FORDELING AF VARMEN</b>						<b>12 POINT</b>				
11	STIGNING I VARMEN	DISTRIBUTION AF VARMEN	TERMISK KOMFORT								
12	5 POINT	5 POINT	2 POINT								
13	Tydelig stigning af varmen for hver af runderne. Sidste runde klart og tydelig 'varmebølge'  Fratræk: Gæster forlader saunaen på grund af varmen?  Fratræk: Overdrevne varme  Fratræk: Hvis varmen er for sterk fra første runde, og ikke kan øges mere (2 point)	Varmen skal fordeles jævnt i hele saunaen - varmen skal være mærkbar, medens de klassiske teknikker bliver vist.  Alle gæster skal opleve at få lige meget varme.	Samlet varmeoplevelse. Arbejder gusmesteren med varmen i overensstemmelse med saunaens tilstand/opbygning? Skaber gusmesteren en behagelig varmeoplevelse?								
14											
15	<b>Points:</b>						<b>Total:</b> 0	100%			
16	<b>3. VIFTETEKNIKKER</b>						<b>10 POINT</b>				
17	KLASSISCHE TEKNIKKER	BEVÆGELSE OG BEVÆGELIGH	SPECIAL TEKNIKKER / KOMBIN	GLIDENDE OVERGANGE	FRATRÆK						
18	5 POINT	2 POINT	1 POINT	2 POINT							
19	Gusmesteren viste mindst 3 pænt udførte klassiske teknikker  (vifteteknikker med begge hænder + helikopter).  Bruges håndklæder i passende størrelse?	Kontrapositioner nemt fri af eventuelle forhindringer. Mindst en omgang rundt om/forbi ovnen(e) hvis muligt	Nye eller svære teknikker, specielle kombinationer, innovation, flere variationer.  Brug af en hånd til swingteknik (show)	Elegant og flydende overgange imellem swingteknikkerne.	0,5 point per tabt håndklæde.  Viften med et håndklæde, der er blevet tabt en gang under fratræk under professionalisme.						
20											
21	<b>Points:</b>					<b>Total:</b> 0	100%				
22	<b>4. TILBUD OG SPÆLLERI</b>						<b>10 POINT</b>				
23	TILBUD	SPÆLLERI	TILBUD								
24	5 POINT	2 POINT	1 POINT	2 POINT							
25	Gusmesteren tilbyder et godt tilbudsprogram, der passer til gæsterne.  Spælleriet er et godt udvalg af produkter, der passer til gæsterne.	Spælleriet er et godt udvalg af produkter, der passer til gæsterne.	Tilbudsprogrammet er et godt udvalg af produkter, der passer til gæsterne.	Spælleriet er et godt udvalg af produkter, der passer til gæsterne.							
26	<b>Points:</b>					<b>Total:</b> 0	100%				

# The Template Sheet format

	Maksimum 5 point opnåelige, hvis historie/tema ikke er genkendeligt i de enkelte runder.							
<b>Lena Fiori</b>	4,5	1,9	2,3		1		<b>Total:</b>	<b>9,7</b>
<b>Tomas Grimaldi</b>	5,6	1,4	2,5		1,5		<b>Total:</b>	<b>11</b>
<b>Sebastian Koenig</b>	5,6	1,4	2,5		1,5		<b>Total:</b>	<b>11</b>
<b>Trainee #1</b>	5,6	1,4	2,4		1,3		<b>Total:</b>	<b>10,7</b>
							All total	135,05
							Normalized	45,0166€
							Points:	450,166€

In this template, total points are calculated using a SUMPRODUCT that incorporates the weight of each juror, normalized to 100%, and then multiplied by 10 to align with the standard scoring units used in Aufguss competitions. However, this calculation depends entirely on the template and not on the Aufguss Scoring Generator, which focuses solely on automating the tedious and error-prone task of setting up sheets and files with accurate inter-file references.

**Other than that, you are responsible for designing your scoring sheet templates, including the calculations for totals and any field value validations.**

# The Template Sheet format

Example Sheet you can copy:

<https://docs.google.com/spreadsheets/d/1VZGcUjgKaYv4yo5LEeHsUX-xLQDwfT9b6S6aO4uxVds/edit?usp=sharing>

# **Google API Setup**

**Setting Up Google API for the Aufguss Scoring Generator to  
Create Google Sheets for a Competition**

**Kasper Skårhøj, December 2024**

- Login with your google account on <https://console.cloud.google.com/>
- Accept "Terms and Conditions" (1)
- Click "Select a project", then "New Project" (2)
- Enter a project title such as "Aufguss Scoring", then click "Create" (3)

**1**

Google Cloud

Welcome Kasper Skårhøj!

Create and manage your Google Cloud instances, disks, networks, and other resources in one place.

Kasper Skårhøj [REDACTED]

SWITCH ACCOUNT

Country

Denmark

Terms of Service

I agree to the [Google Cloud Platform Terms of Service](#), and the terms of service of [any applicable services and APIs](#).

Email updates

I would like to receive periodic emails on news, product updates and special offers from Google Cloud and Google Cloud Partners.

AGREE AND CONTINUE

**2**

Google Cloud

Select a project

Search (/) for resources, docs, products, and more

Search

Secure your account and protect your data by turning on multi-factor authentication. Add an extra layer of security today.

Welcome, Kasper Skårhøj

Try Google Cloud with \$300 in free credits

New Project

Select a project

Access to Google Cloud Platform

Search projects and folders

NEW PROJECT

**3**

You have 12 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name \*

Aufguss Scoring

Project ID: aufguss-scoring. It cannot be changed later. [EDIT](#)

Location \*

No organization

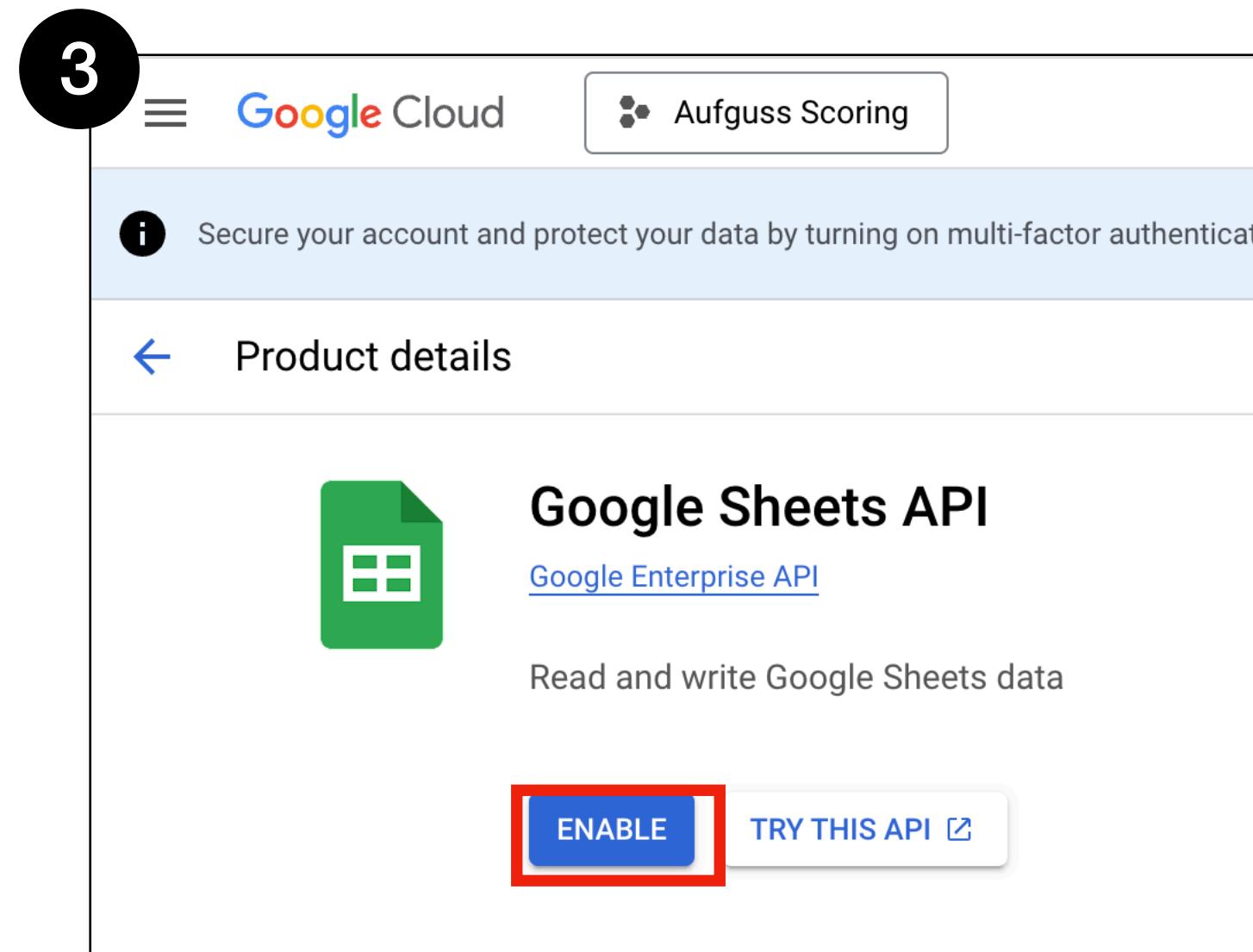
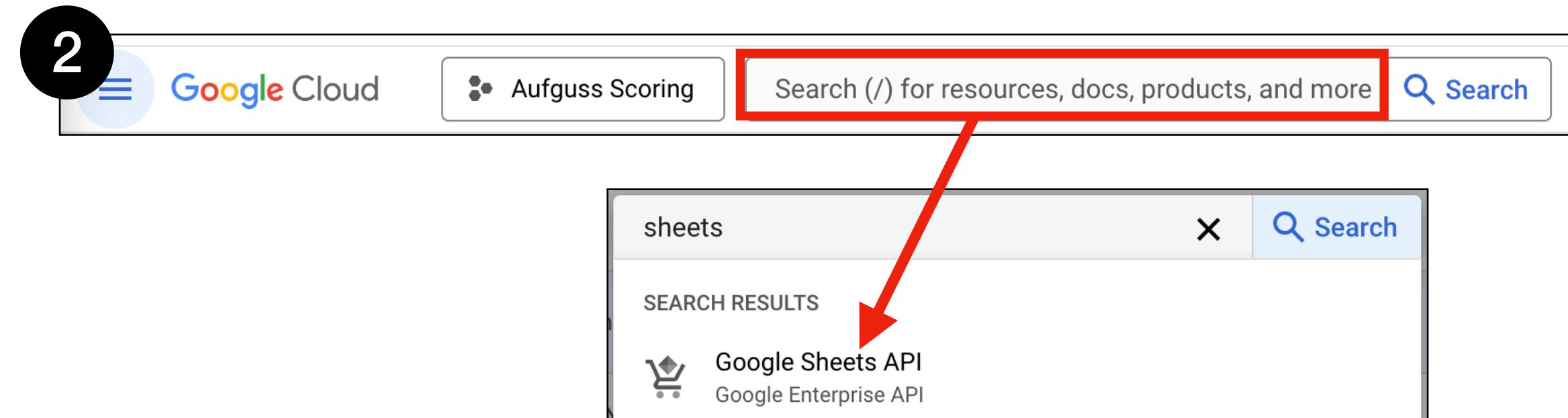
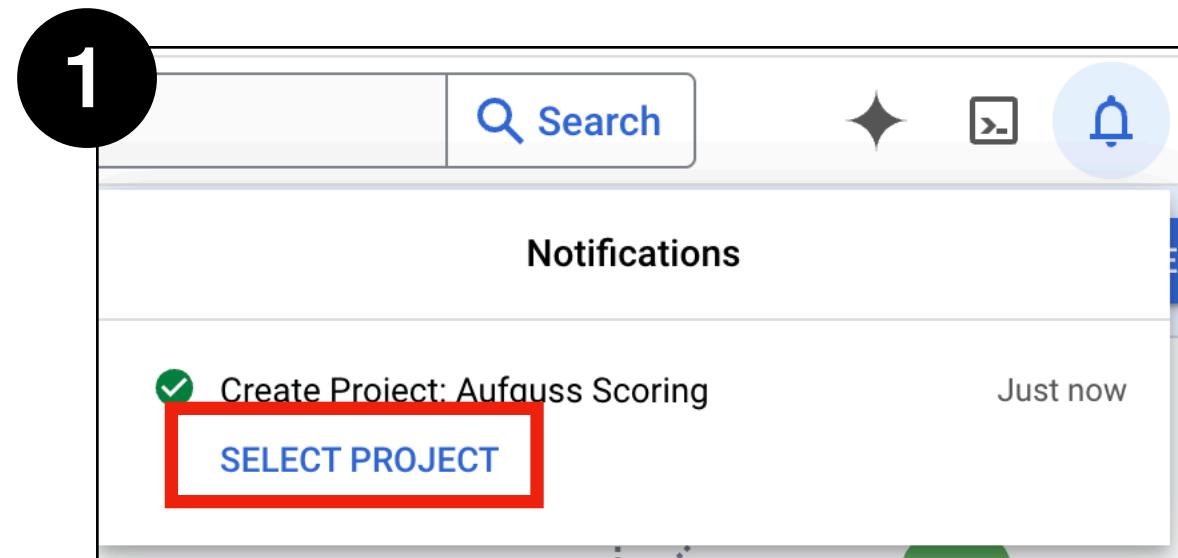
BROWSE

Parent organization or folder

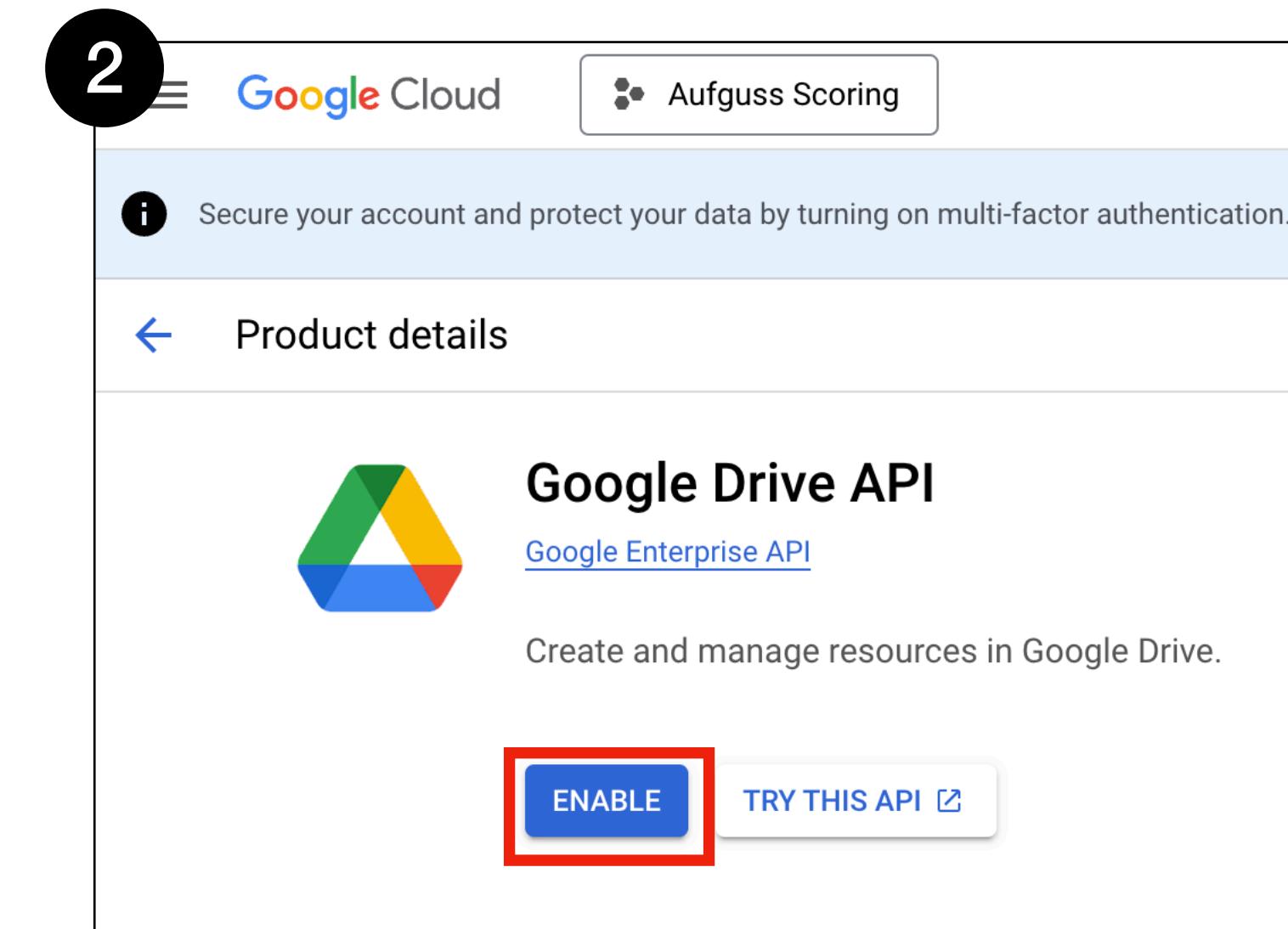
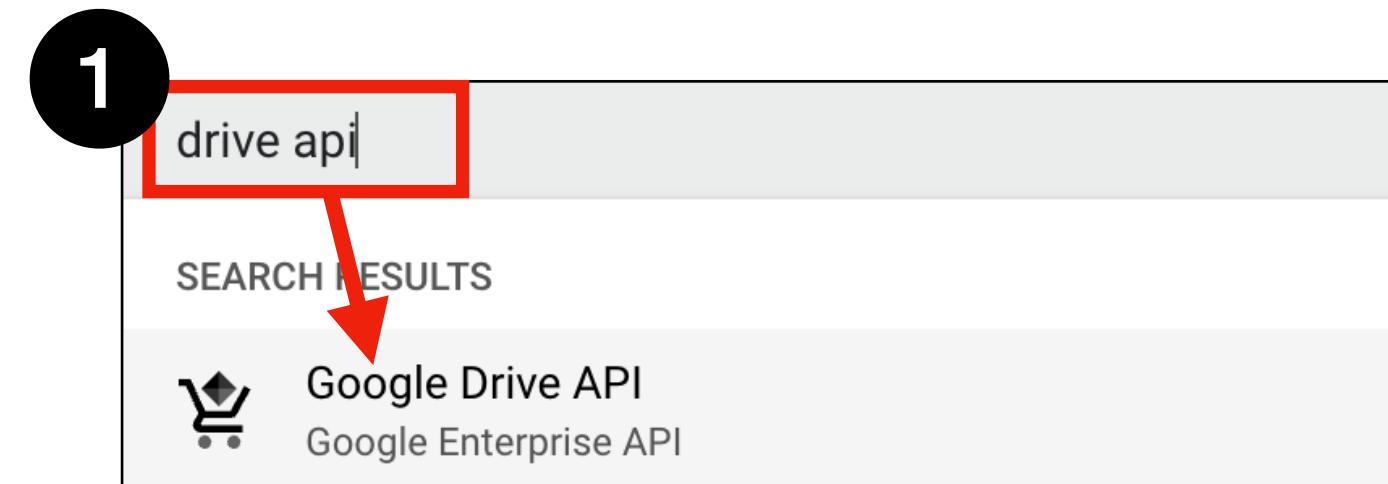
**CREATE**

CANCEL

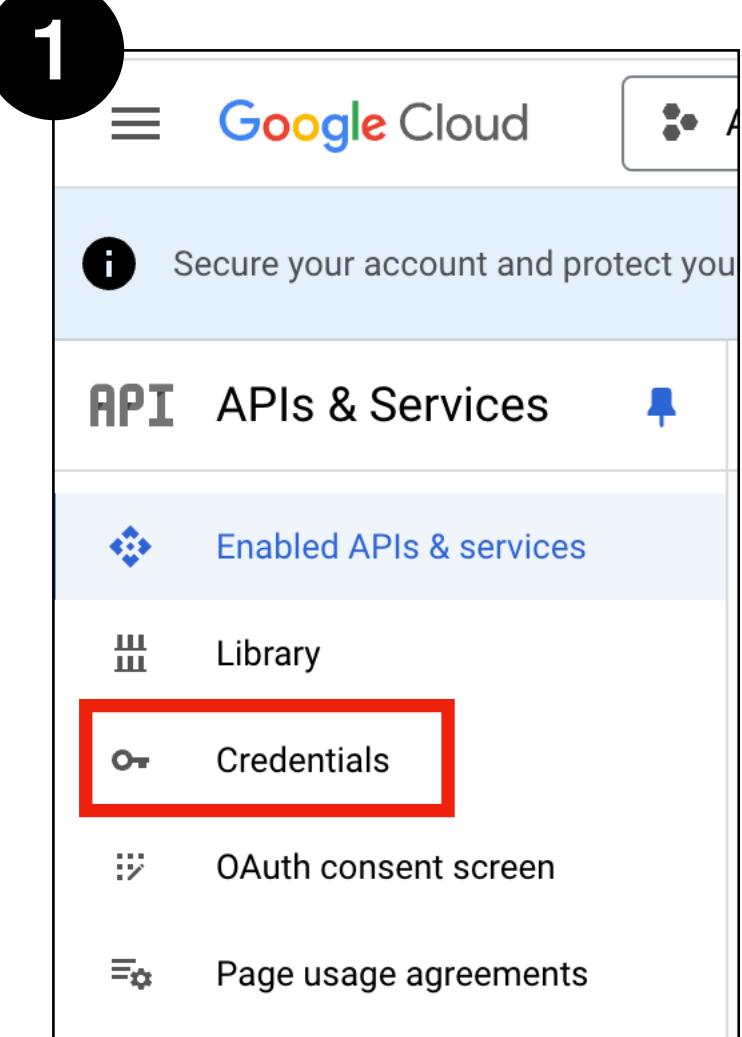
- After the Project is created, click "Select Project" (1)
- Search for "Google Sheets API", and select it (2)
- Enable "Google Sheets API" (3)



- Now, search for "Google Drive API", and select it (1)
- Enable "Google Drive API" (2)



- Click "Credentials" now (1), then "Manage Service Accounts" (2)
- Click "Create Service Account" (3)

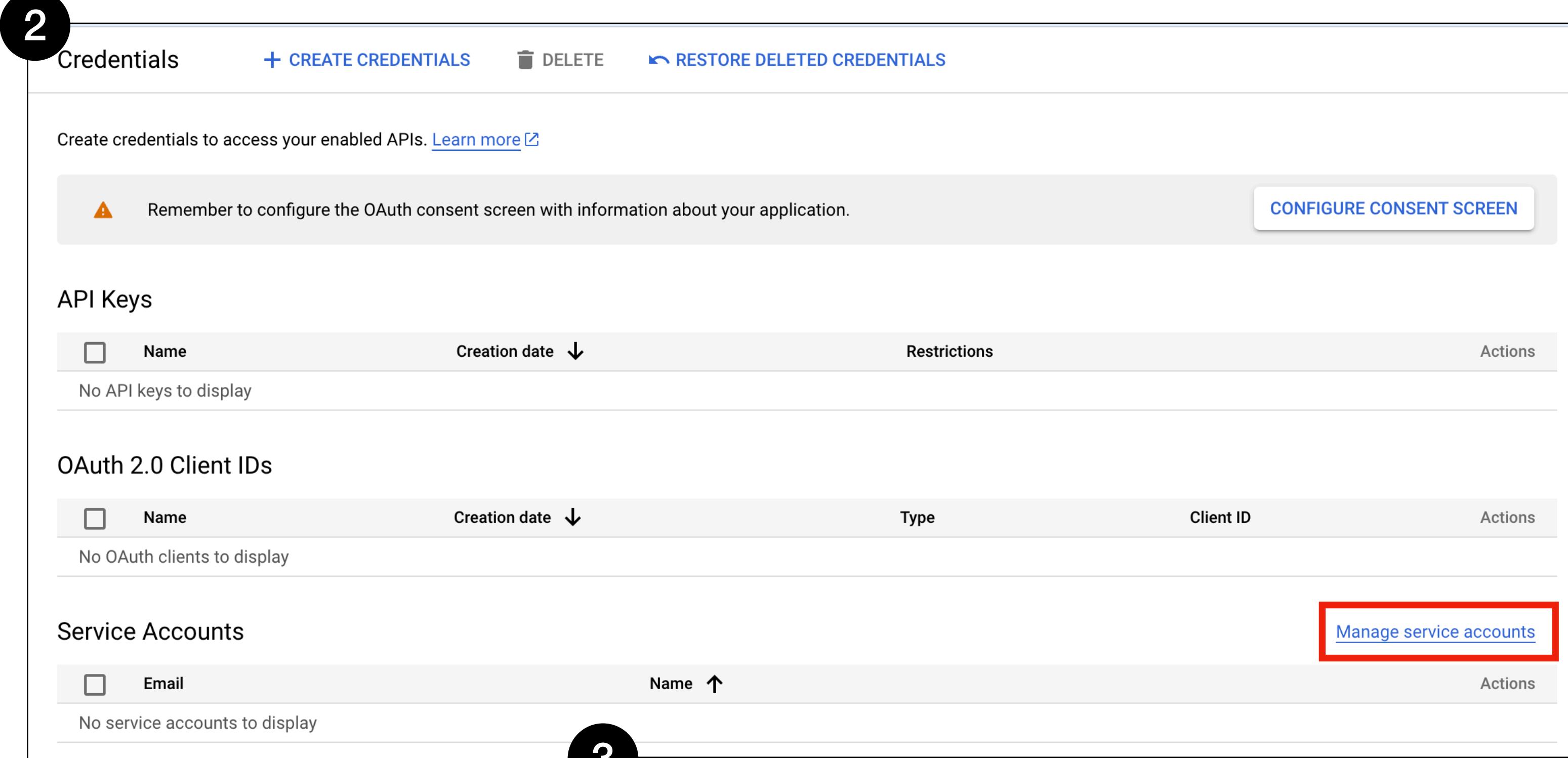


**1**

Secure your account and protect you...

**API APIs & Services**

- Enabled APIs & services**
- Library
- Credentials** (highlighted with a red box)
- OAuth consent screen
- Page usage agreements



**2**

Credentials

+ CREATE CREDENTIALS    DELETE    RESTORE DELETED CREDENTIALS

Create credentials to access your enabled APIs. [Learn more](#)

⚠ Remember to configure the OAuth consent screen with information about your application. [CONFIGURE CONSENT SCREEN](#)

**API Keys**

Name	Creation date	Restrictions	Actions
No API keys to display			

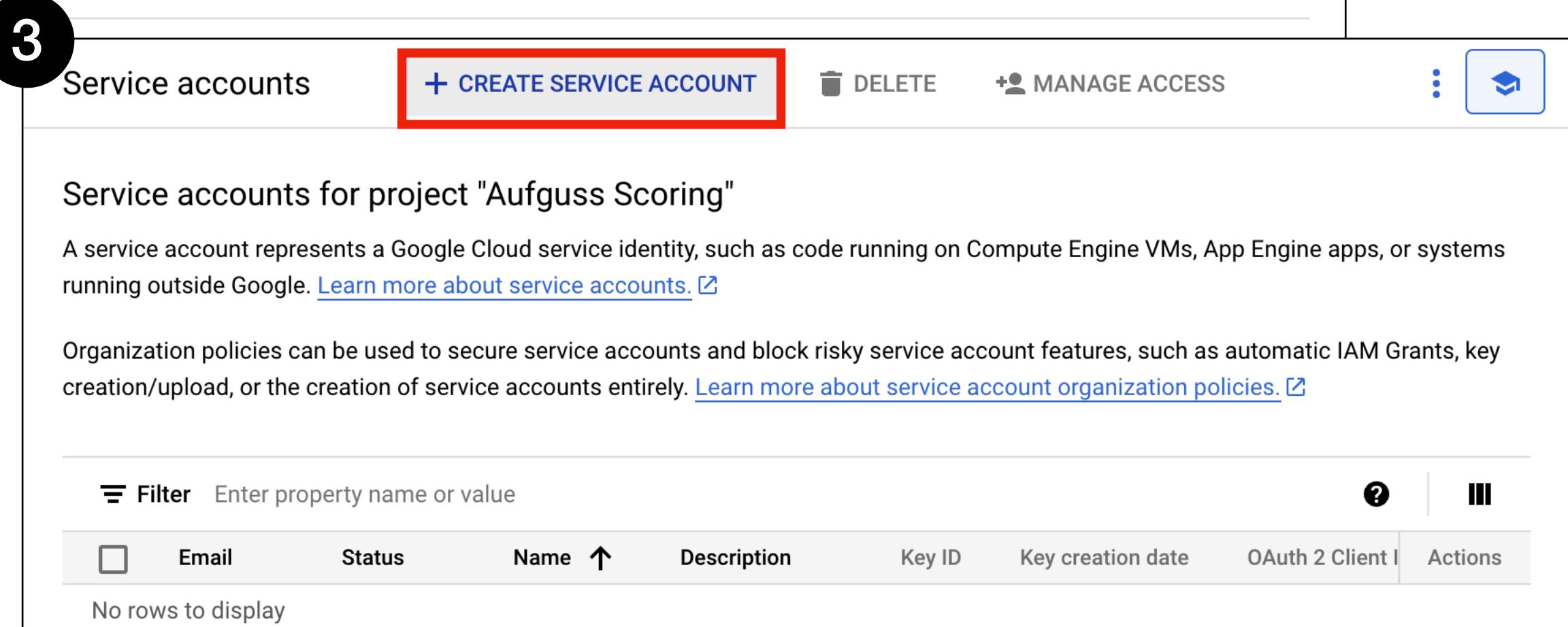
**OAuth 2.0 Client IDs**

Name	Creation date	Type	Client ID	Actions
No OAuth clients to display				

**Service Accounts**

Email	Name	Actions
No service accounts to display		

[Manage service accounts](#)



**3**

Service accounts

+ CREATE SERVICE ACCOUNT    DELETE    MANAGE ACCESS    ⋮    📧

Service accounts for project "Aufguss Scoring"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. [Learn more about service accounts](#)

Organization policies can be used to secure service accounts and block risky service account features, such as automatic IAM Grants, key creation/upload, or the creation of service accounts entirely. [Learn more about service account organization policies](#)

Filter Enter property name or value

Email	Status	Name	Description	Key ID	Key creation date	OAuth 2 Client	Actions
No rows to display							

- Give the account a name like "Aufguss Scoring Generator" (1) and click Done
- Click the dot-menu and select "Manage Keys" (2), then "Create new key" (3)

**1**

Create service account

**Service account details**

Service account name: Aufguss Scoring Generator

Display name for this service account

Service account ID \*: aufguss-scoring-generator

Email address: aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com

Service account description: Used by the Aufguss Scoring Generator to access and create sheets.

Describe what this service account will do

**CREATE AND CONTINUE**

**Grant this service account access to project (optional)**

**Grant users access to this service account (optional)**

**DONE** **CANCEL**

**2**

Aufguss Scoring Generator

Filter	Enter property name or value	Status	Name ↑	Description	Key ID	Key creation	Actions
<input type="checkbox"/>	Email	Enabled	Aufguss Scoring Generator	Used by the Aufguss Scoring Generator to access and create sheets.			<b>⋮</b>
<input type="checkbox"/>	aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com						<b>Manage details</b>
<input type="checkbox"/>							<b>Manage permissions</b>
<input type="checkbox"/>							<b>Manage keys</b> <b>✓</b>
<input type="checkbox"/>							<b>View metrics</b>
<input type="checkbox"/>							<b>View logs</b>
<input type="checkbox"/>							<b>Disable</b>

**3**

DETAILS PERMISSIONS **KEYS** METRICS LOGS

**Keys**

**⚠** Service account keys could pose a security risk if compromised. We recommend you avoid downloading service account keys and instead use the [Workload Identity Federation](#).

**ⓘ** Google automatically disables service account keys detected in public repositories. You can customize this behavior by using the 'iam.serviceAccountKeyExposureResponse' organization policy. [Learn more](#)

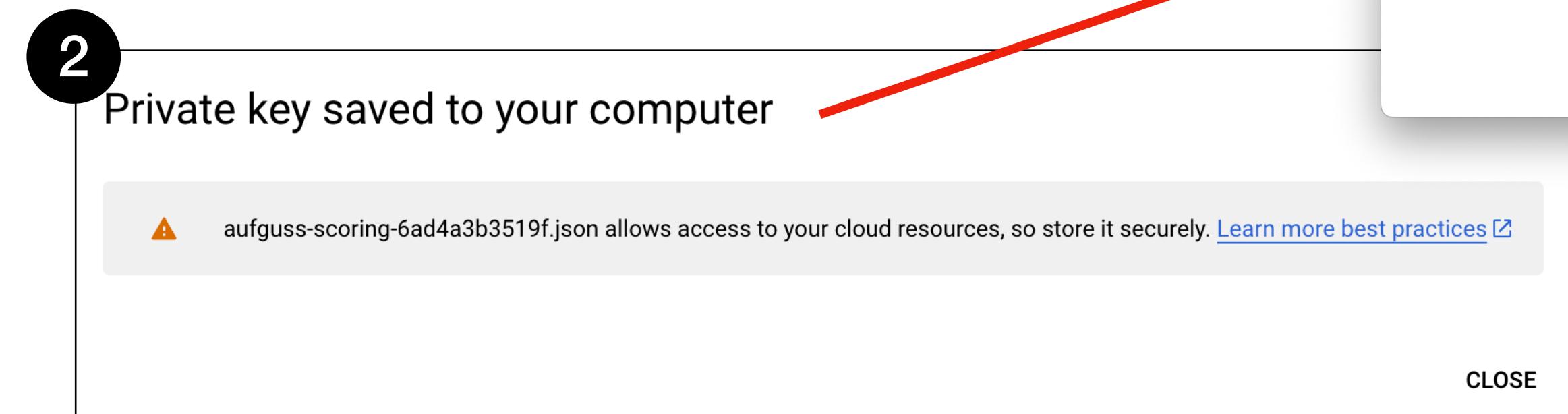
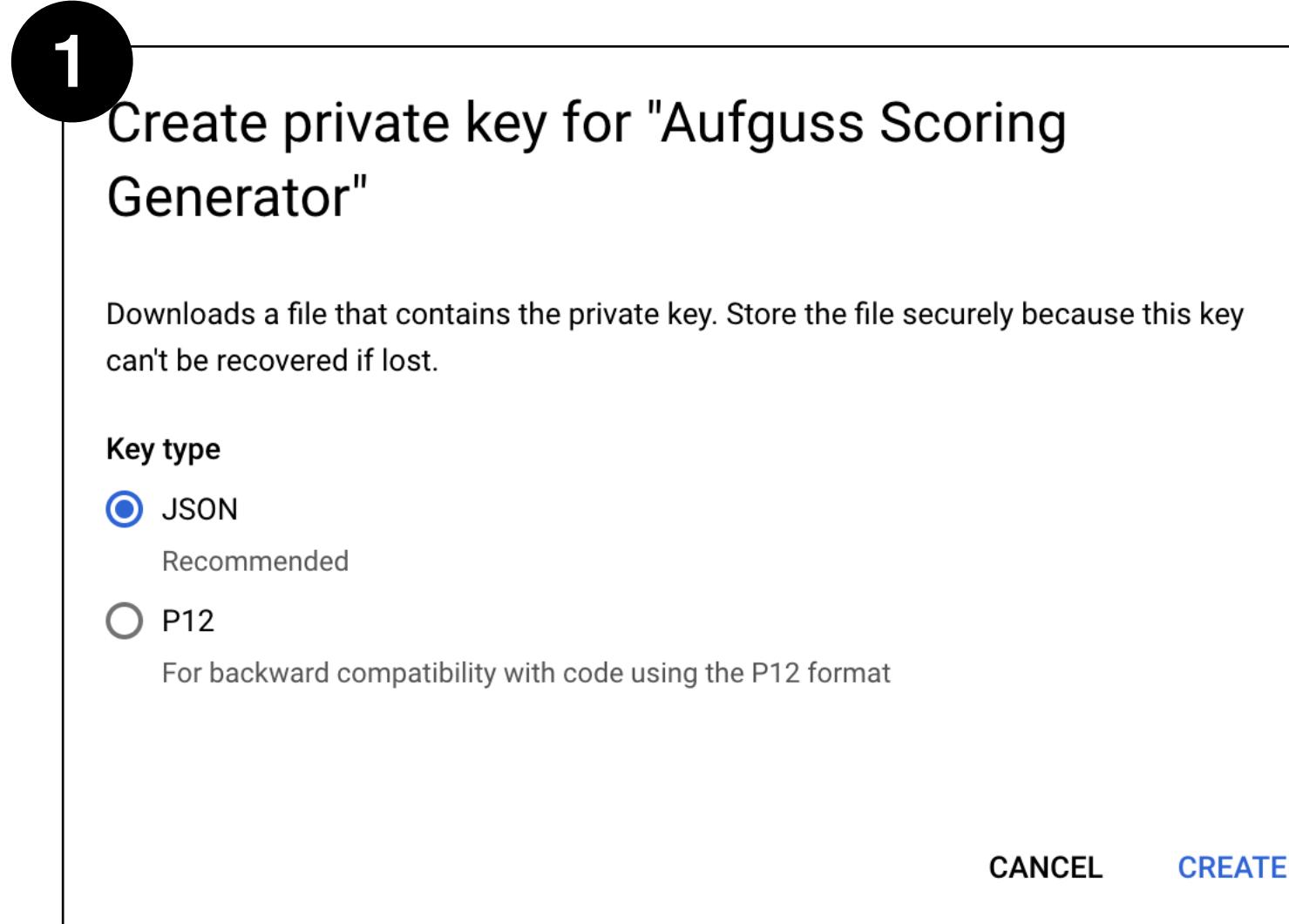
Add a new key pair or upload a public key certificate from an existing key pair.

Block service account key creation using [organization policies](#).  
[Learn more about setting organization policies for service accounts](#)

**ADD KEY** **Create new key** **Upload existing key**

Creation date    Expiration date

- Choose "JSON" and click "Create" (1).
- A file will automatically download to your computer now! (2)
- Click "Close" and you will see the key in the overview. Nothing to do here. (3)



**3**

Aufguss Scoring Generator

**DETAILS** **PERMISSIONS** **KEYS** **METRICS** **LOGS**

**Keys**

**A** Service account keys could pose a security risk if compromised. We recommend you avoid downloading service account keys and instead use [Learn more about the best way to authenticate service accounts on Google Cloud](#).

**i** Google automatically disables service account keys detected in public repositories. You can customize this behavior by using the 'iam.serviceA organization policy. [Learn more](#)

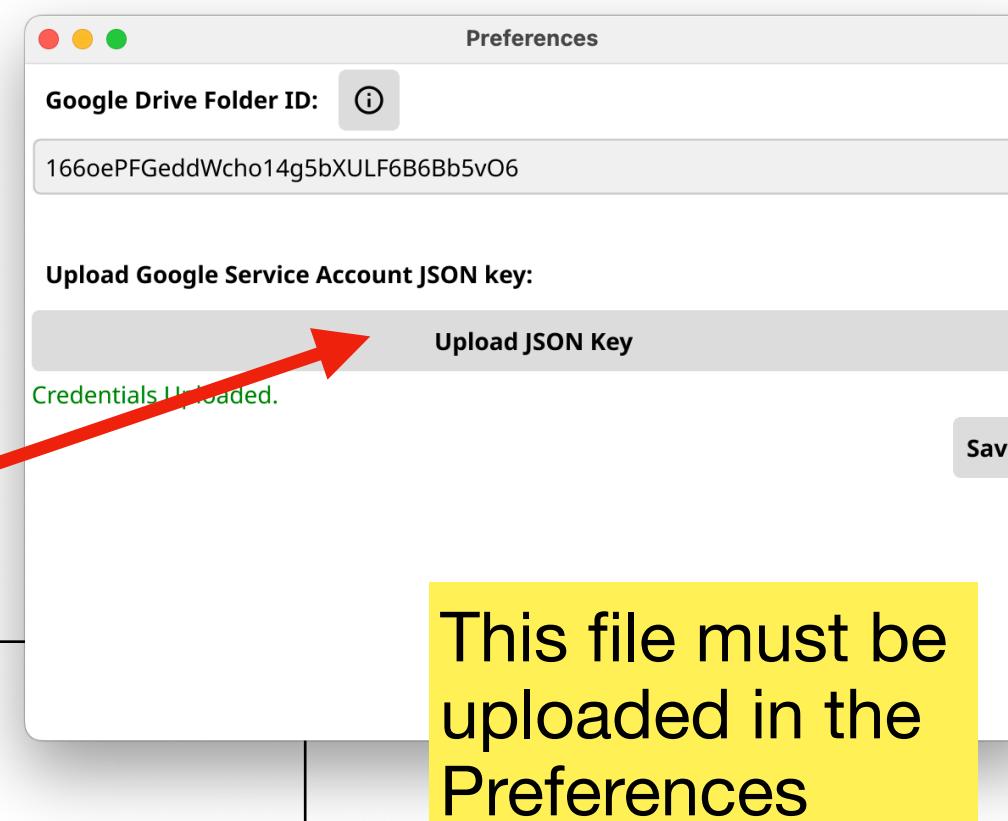
Add a new key pair or upload a public key certificate from an existing key pair.

Block service account key creation using [organization policies](#). [Learn more about setting organization policies for service accounts](#)

**ADD KEY** ▾

Type	Status	Key	Creation date	Expiration date
hex	Active	6ad4a3b3519fd604f6a0b0abbfc90390c90d800f	Dec 11, 2024	Jan 1, 10000

This file must be uploaded in the Preferences dialog.



- Click your way back to a summary like this where you see the service account we just created. (1)
- The email address "[aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com](mailto:aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com)" is not one you need to access - it's just the machine username we will use for access

1

The screenshot shows the Google Cloud IAM & Admin Service accounts page. On the left, there is a sidebar with various options: IAM, PAM, Principal Access Boundary, Organizations (with a PREVIEW button), Identity & Organization, Policy Troubleshooter, Policy Analyzer (with a NEW button), Organization Policies, Service Accounts (which is selected and highlighted in blue), Workload Identity Federation, and Workforce Identity Federation. The main content area is titled "Service accounts for project 'Aufguss Scoring'". It contains a brief description of what a service account is and how organization policies can be used to secure them. A table lists the existing service account:

Email	Status	Name	Description	Key ID	Actions
<a href="mailto:aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com">aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com</a>	Enabled	Aufguss Scoring Generator	Used by the Aufguss Scoring Generator to access and create sheets.	6ad4a3b3519fd604f6a0	⋮

- You should create a folder for all your "Aufguss Scoring Boards" (1)
- Then share this folder as "Editor" with the new machine user email address (in this example, it was "[aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com](mailto:aufguss-scoring-generator@aufguss-scoring.iam.gserviceaccount.com)") (2)
- The downloaded JSON file was called "aufguss-scoring-6ad4a3b3519f.json" in this case and it contains secret codes that enable "Aufguss Scoring Generator" to access this folder and manipulate all its contents!

