

Development of an Application for Managing Speed Skating Events

Karlstad, 9th of June 2011



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Development of an Application for Managing Speed Skating Events Source: Vancouver 2010 Slide 2 / 13

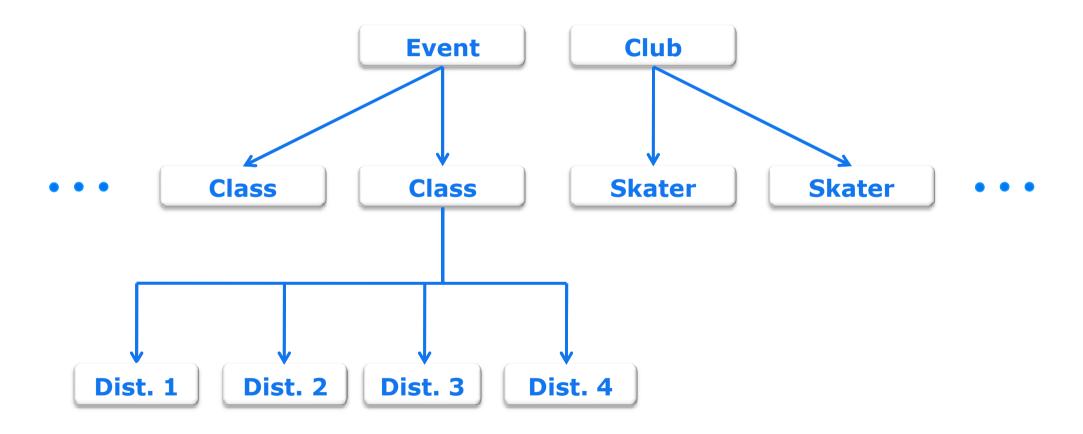


Introduction to Speed Skating

- Competitive form of ice skating
- Division into classes according to age and gender
- Skaters race 4 distances in their class
- 2 skaters starting at the same time
- Manually or automatically time-measuring
- Skater can:
 - Complete a race
 - Fall, have a personal best, have a personal best after falling
 - not start, not finish, be disqualified
- Before the race \rightarrow Starting list
- After the race \rightarrow Result list



Introduction to Speed Skating





Steps for Creating and Managing an Event

- Create clubs and skaters
- Create classes and distances
- Create an event and register classes and distances
- Add skaters to classes of the event
- Create starting list for each race
 - Different sorting algorithms
- Enter results with status
- Create a result list



Background – The old System

Karlstad Skridskoklubb	🏦 Klubbar 🏾 🍰 Akare 🎽 Tävlingar 📎 Klasser	r	
Klubblista Lägg till klubb	Klubblista		
	Namn	Hemsida	Kontakt
	Karlstad Speed Skating Club	www.karlstadsk.org	<u>Arne Nilsson</u>



Background – Required Changes

	Old System	New System
	 Server-Application 	 Desktop-Application
User Interface	Web-based UI	• Regular UI
Database	 MySQL-database 	SQL-databaseImport and Export Possibility
Starting List	• Enter results	 Enter results Different sorting algorithms Export to Microsoft Excel
Result List		Sort skaters by resultExport to Microsoft Excel



The Application – The Starting List

- Showing the skaters in starting order
- Paired up
- Order depending on sorting algorithm
 - Random
 - Personal Best
 - Ranking

Starting List - Karlstad Nordiska - Pojkar 11-12 - Distance 1 - 500m

Pai	ir Lane	No.	Name	Country	Club	Result	Status	Personal Best
1	0	5	Mathias Solberg	NOR	Kongsvinger Skøyteklubb	01:02:12		00:59:74
2	Ι	2	Max Sjöstedt-Eriksson	SWE	IF Thor	01:00:42		01:00:07
2	0	7	David Karlingsjö	SWE	SK Trollhättan	00:55:23		00:53:92
3	Ι	3	Isak Höiby	NOR	Kongsvinger Skøyteklubb	00:00:00	Disqualified	00:53:92
3	0	4	Per Henry Röttum	NOR	Kongsvinger Skøyteklubb	01:31:04	Fell	01:19:79
4	Ι	6	Kevin Jacobsson	SWE	Motala AIF	00:00:00	Pending	01:10:45
4	0	1	Erik Wetterdal	SWE	IF Thor	00:00:00	Pending	01:25:78



The Application – The Result List

- Depending on the chosen races
- Shows skaters sorted by achieved time and status

Rank	No.	Name	Country	Club	Pair	Lane	Result	Points	Status
1	7	David Karlingsjö	SWE	SK Trollhättan	2	0	00:55:23	55.23	
2	2	Max Sjöstedt-Eriksson	SWE	IF Thor	2	I	01:00:42	60.42	
3	5	Mathias Solberg	NOR	Kongsvinger Skøyteklubb	1	0	01:02:12	62.12	
4	4	Per Henry Röttum	NOR	Kongsvinger Skøyteklubb	3	0	01:31:04	91.04	Fell
5	1	Erik Wetterdal	SWE	IF Thor	4	0	00:00:00	0	Pending
6	6	Kevin Jacobsson	SWE	Motala AIF	4	I	00:00:00	0	Pending
7	3	Isak Höiby	NOR	Kongsvinger Skøyteklubb	3	I	00:00:00	0	Disqualified



Demonstration

Events								_			
Starting list	First Name	Last Name	Club	Activ	E	First name:			Last name:		
Result list	Erika	Lindgren	Södermalms Idrottsklubb	True	~	Gender:	Male	*	Personal Nr:		
	Oskar	Gustafsson	Sundsvalls SK	True	Ξ.	Club:	Eskilstuna	a IK			
Classes	David	Hjalmarsson	Stockholm Speedskaters	True							
	Adam	Axelsson	SK Winner	True						Add nev	/ Skater
	Anders	Olsson	SK Winner	True							
	Markus	Hjalmarsson	SK Winner	True							
Clubs	Nils	van der Poel	SK Trollhättan	True							
	David	Karlingsjö	SK Trollhättan	True		Adam Ax	ceisson				
Skaters	Emil	Ström	SK Trollhättan	True		Personal nur	mber:				
	Hampus	Larsson	SK Trollhättan	True							
Export Database	David	Andersson	SK Trollhättan	True		Club:	SK	Winner			
	Hanna	van der Poel	SK Trollhättan	True		Gender:	Ma	le			
Import Database	Gustav	Åkesson	Motala AIF	True		Active:	Tru				
	Kevin	Jacobsson	Motala AIF	True		Active:	In	le			
	Emma	Åkesson	Motala AIF	True				ſ	Remove	Edit Info	rmation
	Vegard	Hansen	Kongsvinger Skøyteklubb	True				L			
	Mathias	Solberg	Kongsvinger Skøyteklubb	True		Personal	bests				
	Per Henry	Röttum	Kongsvinger Skøyteklubb	True							
	Isak	Höiby	Kongsvinger Skøyteklubb	True			Time				
	Mats	Andersson	Kongsvinger Skøyteklubb	True		Distance	Time				
	Kristine	Hansen	Kongsvinger Skøyteklubb	True		500	00:44:17				
	Anna	Andersson	Kongsvinger Skøyteklubb	True		1000	01:27:21				
	Amanda	Bö Lysö	Kongsvinger Skøyteklubb	True		1500	01:27:21				
	Selma	Bö Lysö	Kongsvinger Skøyteklubb	True		1200	02:15:05				
	Frans	Bergentall	IK Wega	True					Ren	nove	
	Waldemar	Bergentall	IK Wega	True			v 00:00				
	Tilda	Carlsson	IK Weda	True	*		✓ 00:00	.00	Add pers	sonal best	
	<			>							



Conclusion

The Application:

- Includes all required functionality
- Can be used by the customer



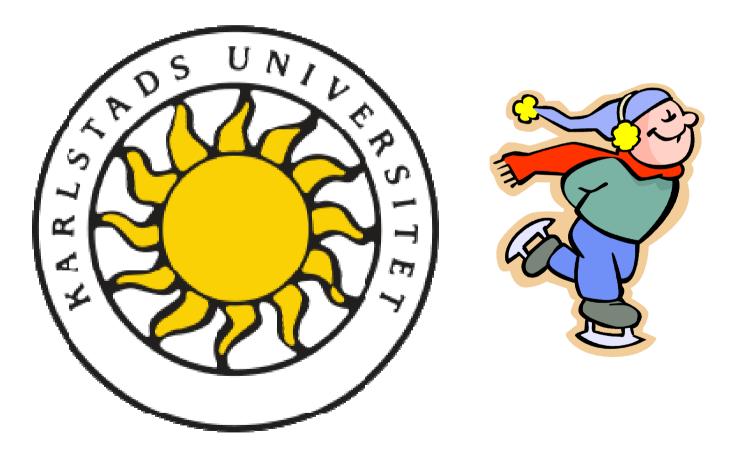
Any Questions?



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Thank you for listening!



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