

NOTICE!

- These materials are prepared only for the students enrolled in the course Distributed Software Development (DSD) at the Department of Computer Science and Engineering, University of Mälardalen, Västerås, Sweden and at the Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia (year 2012/2013).
- For all other purposes, authors' written permission is needed!
- The purpose of these materials is to help students in better understanding of lectures in DSD and not their replacement!

Distributed Software Development



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HoopStats Alpha prototype



Agenda

- Current state
- Results so far
- Process related info
- Integration
- Experiences
- SCORE features
- Alpha prototype presentation
- What is next?

Current state

- Project is slightly behind schedule.
 - Some functionalities implementation still in progress.
 - Documentation updated constantly.



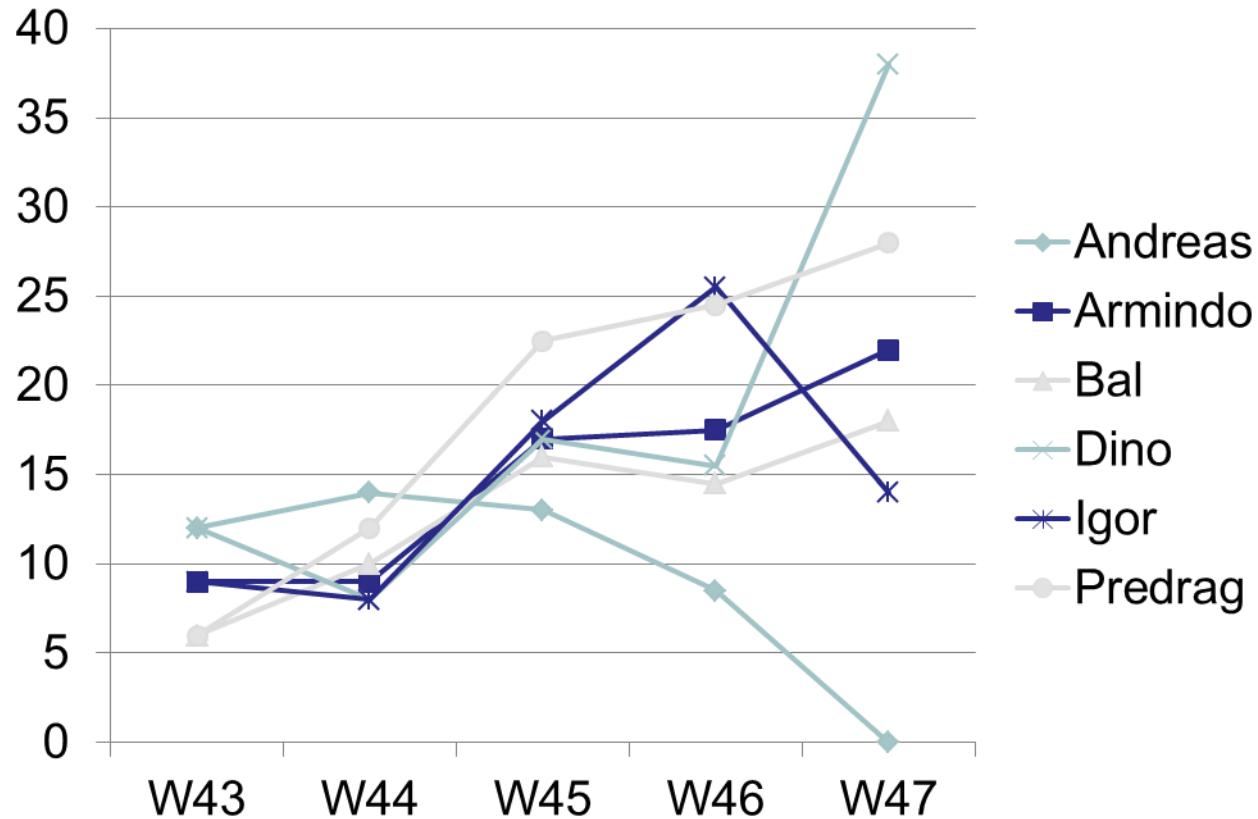
Results so far

Part	Feature	Status
Back – end (server application)	Database schema	Done
	Data migration	Done
	Data providers	Done (constantly changing)
	Services	Done (constantly changing)
Front – end (UI) Web application	Basic search	Done
	Detail view	Done (Prone to changes)
	Graphical representation	Done (in progress)
	Advanced search	In progress...

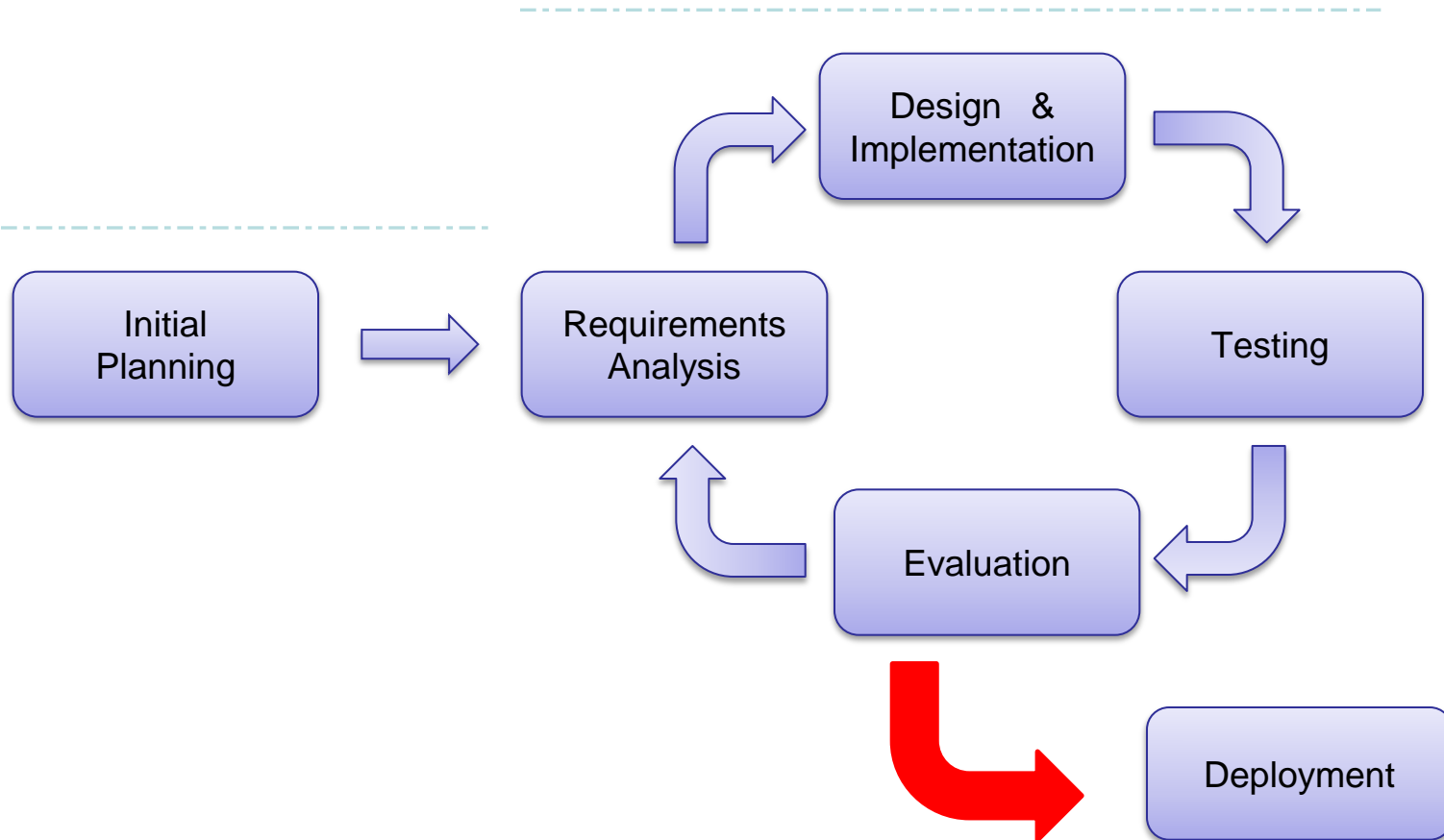
Team working hours

Member	W43	W44	W45	W46	W47	Total
Andreas	12	14	13	8.5	/	47.5
Armindo	9	9	17	17.5	22	74.5
Bal	6	10	16	14.5	18	64.5
Dino	12	8	17	15.5	38	90.5
Igor	9	8	18	25.5	14	74.5
Predrag	6	12	22.5	24.5	28	93
Total						443.5

Team members workload



Process related info



Important events

- Regular meetings with the customer.
 - Meetings often initialized by team in order to discuss specific features with the client.
 - Changes in the initial design
 - SCORE project depending on open (free) data.
 - A lot of issues with the data source.
 - Changes in the requirements (features) because of the lack of data.

Integration

- Integration issues mainly between back-end and UI part.
 - Not so severe, we keep internal documentation for service specification.
- Integration between software components in same layer good so far.

Experiences

- **Communication very good.**
 - Still, all the communication initiated from P.M.
 - Team members should communicate more between each other.
- **Problems with meeting deadlines.**
 - Not reporting problems on time.
 - Tasks not defined in details.

Experiences

- Lack of transparency in the team.
 - Not reporting problems on time.
 - Not committing code on time.
 - Too much dependent on other's decisions.
 - Lack of initiative from team members.

Project management tools

- Code quality
 - C# - VS built in code checker
 - Javascript – JSLint
 - General – code conventions document made and shared with the team
- Unit testing
 - C# UnitTesting framework

SCORE features

- Open data
- Basketball statistics:
 - Free to use
 - Easy to use
 - Fun to use

Alpha prototype

Old and new - old

databaseBasketball.com formerly BasketballReference.com

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Last Name Player Search

Index: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

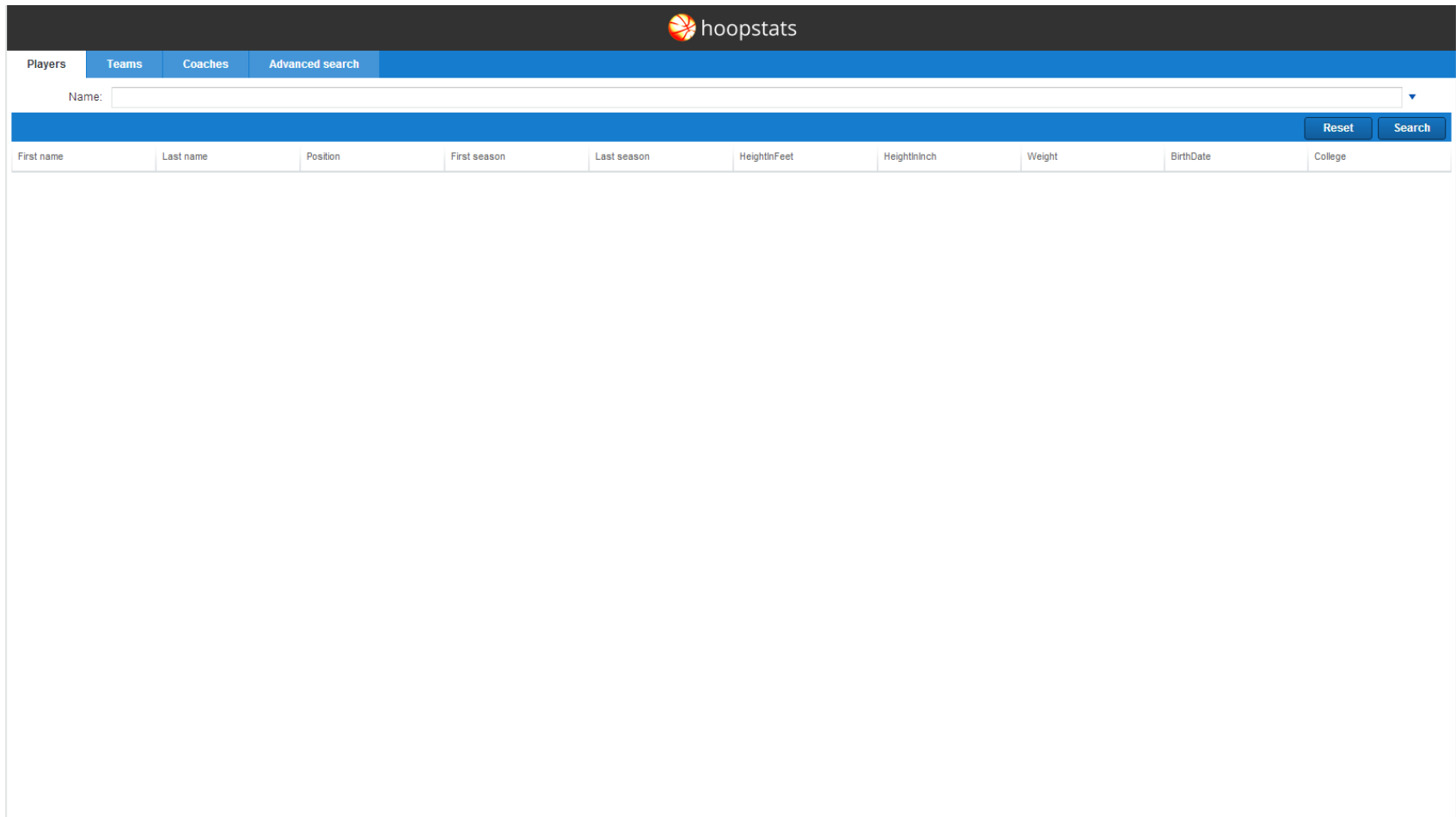
See Also: [Search by College](#) [Search by Country](#)

A

Player Name	Years Played	Position	College
Abdelnaby, Alaa	1990 - 1994	F	Duke University
Abdul-jabbar, Kareem (HOF)	1969 - 1988	C	University of California - Los Angeles
Abdul-rauf, Mahmo	1990 - 2000	G	Louisiana State University
Abdul-wahad, Tariq	1997 - 2002	G	University of Michigan
Abdur-rahim, Shareef	1996 - 2007	F	University of California, Berkeley
Abernethy, Tom	1976 - 1980	F	Indiana University
Able, Forest	1956 - 1956	G	Western Kentucky University
Abramovic, John	1946 - 1947	F	Salem College
Acker, Alex	2005 - 2008	G	Pepperdine University
Ackerman, Donald	1953 - 1953	G	Long Island University
Acres, Mark	1987 - 1992	C	Oral Roberts University
Acton, Charles	1967 - 1967	F	Hillsdale College
Adams, Ahan	1975 - 1987	C	University of Oklahoma
Adams, Don	1970 - 1976	F	Northwestern University
Adams, George	1972 - 1974	F	Gardner-Webb University
Adams, Hassan	2006 - 2008	G	University of Arizona
Adams, Michael	1985 - 1995	G	Boston College
Addison, Rafael	1986 - 1996	F	Syracuse University
Adelman, Rick	1968 - 1974	G	Loyola Marymount University
Adrien, Jeff	2010 - 2010	F	Connecticut
Affalo, Arron	2007 - 2010	G	University of California - Los Angeles
Ager, Maurice	2006 - 2010	G	Michigan State University
Aguirre, Mark	1981 - 1993	F	DePaul University
Ahearn, Blake	2007 - 2008	G	Missouri State University
Ains, Danny	1981 - 1994	G	Brigham Young University



Old and new - new




The screenshot displays the 'hoopstats' website interface. At the top, there is a navigation bar with tabs for 'Players', 'Teams', 'Coaches', and 'Advanced search'. Below this is a search input field labeled 'Name:' with a dropdown arrow. To the right of the input field are 'Reset' and 'Search' buttons. Below the search area is a table with the following columns: 'First name', 'Last name', 'Position', 'First season', 'Last season', 'HeightInFeet', 'HeightInInch', 'Weight', 'BirthDate', and 'College'. The table is currently empty.

Typeahead

The screenshot shows the 'hoopstats' website interface. At the top, there is a navigation bar with 'Players', 'Teams', 'Coaches', and 'Advanced search'. Below this, a search bar contains the text 'Name: Michael Jackson'. A dropdown menu is open, showing two suggestions: 'Michael Jackson' and 'Michael Jordan'. Below the dropdown, a table header is visible with columns: First name, Last name, Position, First season, Last season, Heightfeet, Heightininch, Weight, BirthDate, and College.

First name	Last name	Position	First season	Last season	Heightfeet	Heightininch	Weight	BirthDate	College
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Search results



Players Teams Coaches **Advanced search**

Name: ▼


First name	Last name	Position	First season	Last season	HeightInFeet	HeightInInch	Weight	BirthDate	College
Jordan	Farmar	G	2006	2009	6	2	0	30.11.1966.	University of California - L...
Jorge	Garbajosa	F	2006	2007	6	9	0	19.12.1977.	
Jordan	Hill	F	2009	2009	6	10	0	27.7.1967.	Arizona
Adonis	Jordan	G	1993	1998	5	11	0	21.8.1970.	University of Kansas
Charles	Jordan	F	1975	1975	6	8	0	31.1.1954.	Canisius College
DeAndre	Jordan	C	2008	2009	6	11	0	21.7.1988.	Texas A&M University
Eddie	Jordan	G	1977	1983	6	1	0	29.1.1955.	Rutgers University
Michael	Jordan	G	1984	2002	6	6	0	17.2.1963.	University of North Carolina
Reggie	Jordan	G	1993	1999	6	4	0	26.1.1968.	New Mexico State University
Thomas	Jordan	F	1992	1992	6	10	0	23.5.1968.	Oklahoma State University
Walter	Jordan	F	1980	1980	6	7	0	19.2.1956.	Purdue University
Phil	Jordan	C	1956	1962	6	10	0	12.9.1933.	Whitworth College
Johnny	Jorgensen	G	1947	1948	6	2	0	28.12.1921.	DePaul University
Noble	Jorgensen	C	1946	1952	6	9	0	18.5.1925.	University of Iowa
Roger	Jorgensen	C	1946	1946	6	5	0	2.9.1920.	Ohio State University

Consistency

The screenshot shows the 'hoopstats' website interface. At the top, there is a navigation bar with tabs for 'Players', 'Teams', 'Coaches', 'Advanced search', and 'Sam Bowie *'. Below the navigation bar, there is a search input field with the text 'Name: Lakers'. To the right of the input field are 'Reset' and 'Search' buttons. Below the search bar, there is a table with the following columns: Team, Location, Name, League, and Active. The table contains two rows of data:

Team	Location	Name	League	Active
ME	Minneapolis	Lakers	N	false
LAL	Los Angeles	Lakers	N	true

Double click for details



Players
Teams
Coaches
Advanced search
Michael Jordan ✕

First name: Michael

First Season: 1984

HeightInFeet: 6

Weight: 0

College: University of North Carolina

Last name: Jordan

Last Season: 2002

HeightInInch: 6


Position: G

Points: 32292	Games played: 1072	Minutes played: 41012	Def. Rebounds: 1668	Off. Rebounds: 5004	Assists: 5633
	Steals: 2514	Blocks: 893	Turnovers: 2924	Personal Fouls: 2783	Field Goals Attempted: 24537
	Field Goals Made: 12192	Free Throws Attempted: 8772	Free Throws Made: 7327	Three Points Attempted: 1778	Three Points Made: 581

Career
Seasons

Present the data - old

databaseBasketball.com formerly BasketballReference.com



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Alaa Abdelnaby

Alaa Abdelnaby

Position: F

Height: 6' 10" **Weight:** 240

Born: 6/24/1968, in Cairo, [EGY](#)

High School: Bloomfield Senior, in Bloomfield, NJ

College: [Duke University](#)

[About bio info](#)

Draft History

[1990 NBA](#) - Round 1 by [POR](#)

Regular Season Stats

Click on column header to sort

Year	Age	Team	Lg	G	Min	Pts	PPG	FGM	FGA	FGP	FTM	FTA	FTP	3PM	3PA	3PP	ORB	DRB	TRB	RPG	AST	APG	STL	BLK	TO	PF
1990-91	22	POR	NBA	43	290	135	3.1	55	116	.474	25	44	.568	0	0.000	27	62	89	2.1	12	0.3	4	12	22	39	
1991-92	23	POR	NBA	71	934	432	6.1	178	361	.493	76	101	.752	0	0.000	81	179	260	3.7	30	0.4	25	16	66	132	Log
1992-93	24	MIL	NBA	12	159	64	5.3	26	56	.464	12	16	.750	0	1.000	12	25	37	3.1	10	0.8	6	4	0	24	Log
1992-93	24	BOS	NBA	63	1152	514	8.2	219	417	.525	76	100	.760	0	0.000	114	186	300	4.8	17	0.3	19	22	97	165	Log
1993-94	25	BOS	NBA	13	159	64	4.9	24	55	.436	16	25	.640	0	0.000	12	34	46	3.5	3	0.2	2	3	17	20	Log
1994-95	26	PHI	NBA	3	30	2	0.7	1	11	.091	0	0.000	0	0.000	3	5	8	2.7	0	0.0	0	0	0	2	Log	
1994-95	26	SAC	NBA	51	476	254	5.0	117	220	.532	20	35	.571	0	2.000	34	72	106	2.1	13	0.3	15	12	45	102	Log
5 Season Totals				256	3200	1465	5.7	620	1236	.502	225	321	.701	0	3.000	283	563	846	3.3	85	0.3	71	69	247	484	

M - MVP

N - All NBA First Team

A - All Star

Extended Stats Explanations

Click on column header to sort

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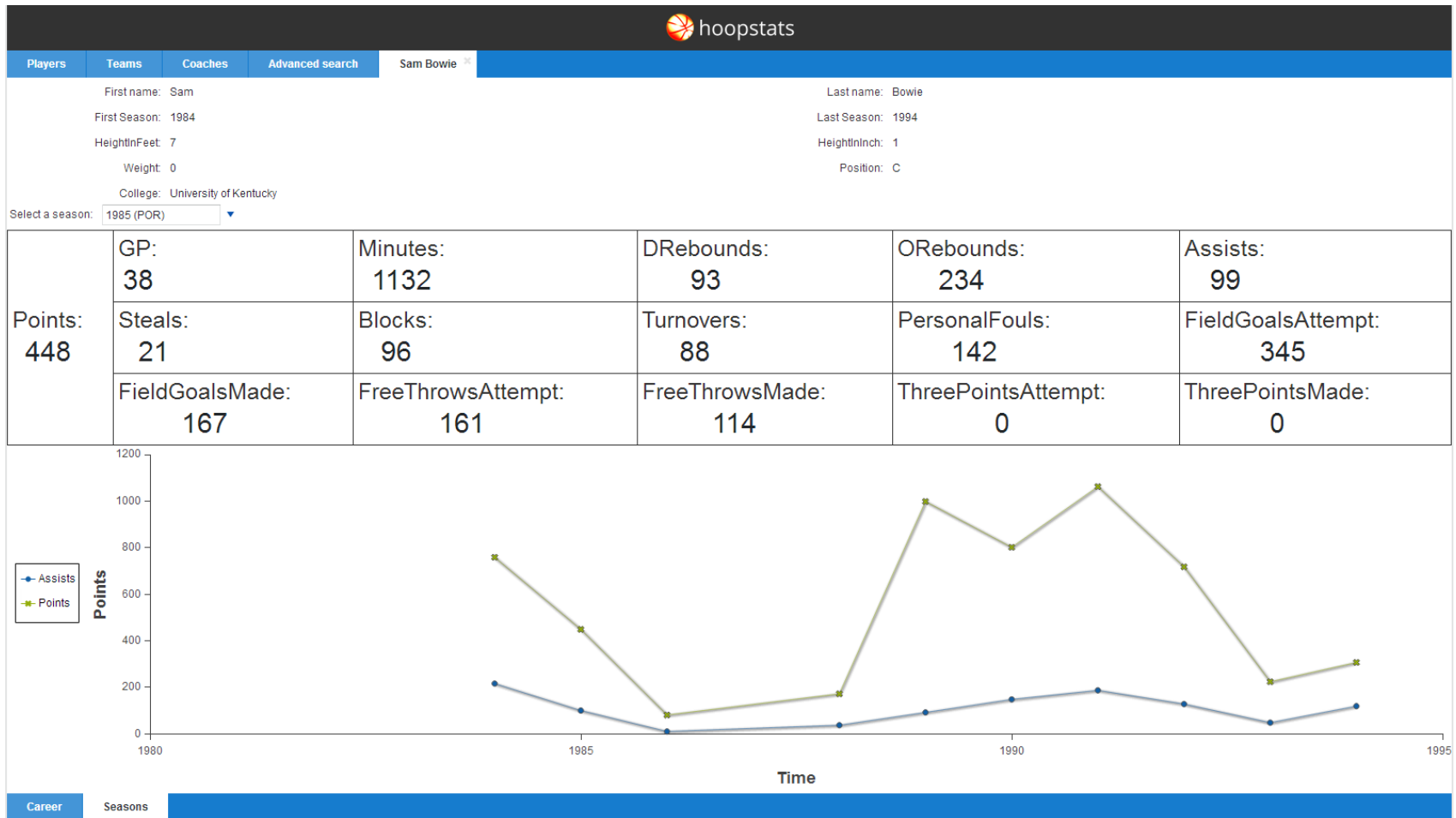


Enter to WIN >

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Present the data - new



What's next

- Android app
 - Simplicity
 - Responsiveness
- Finishing the web application
 - More visualization elements (charts, graphs)
 - Compare players without numbers
 - Advanced search