UI Specification of League of Legends spectator mode for Smart TV

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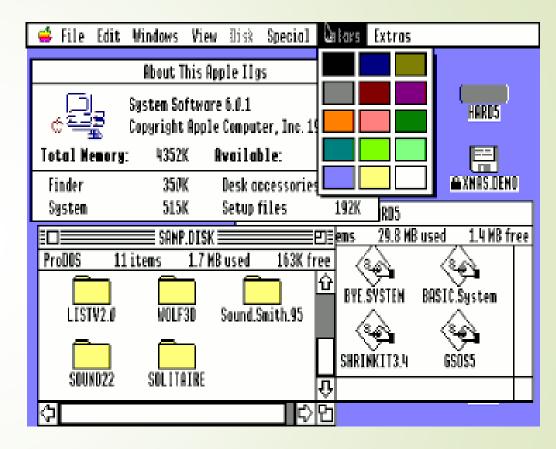
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INTRODUCTION

Xerox Star first GUI operating system

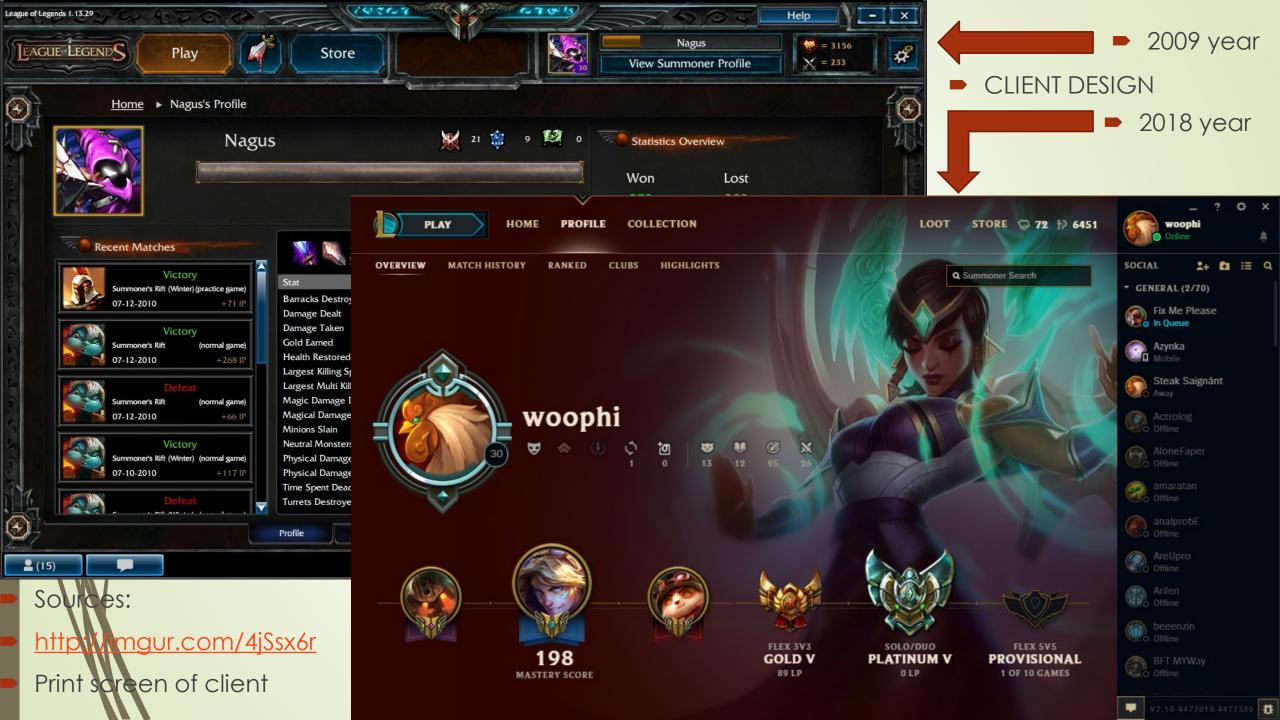


■ The Apple GS/OS desktop



- Sources:
 - https://en.wikipedia.org/wiki/History of the graphical user interface#/media/File:Xerox Star 8010 workstations.jpg
- https://en.wikipedia.org/wiki/History of the graphical user interface#/me dia/File:AppleIIGSOS.png









Goals

- To develop adaptive user interface system of "spectator mode in the game League of Legends"
- It will be focused for Smart TV according to client's version platform for personal computers.

Methodology

- To make research of:
 - League of legends spectator modes needs
 - Smart TV control possibilities
 - Research of other Smart TV games
- To make the results from research.
- Implement UI Specification.
- Test UI Specification in Usability Study (10 participants).
- Define results from the test.
- Recommend gained knowledge and update UI Specification according to the results.

Test in Usability Study

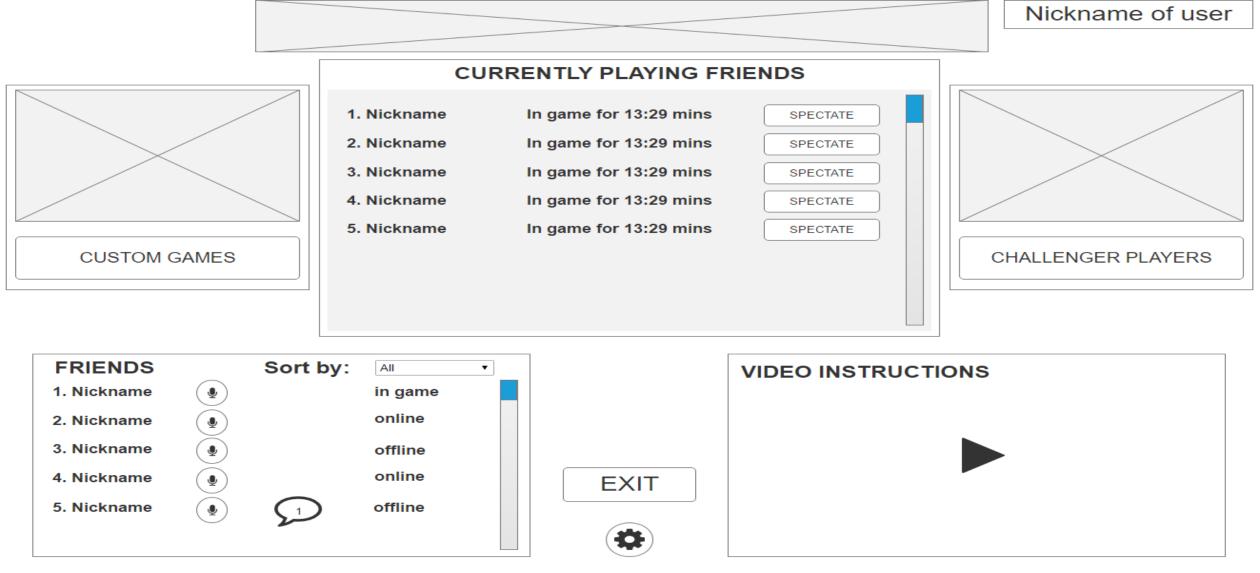
- Use case test
- 1. Login or register in application.
- 2. Listen a message.
- 3. Spectate a game.
- 4. Observe statistics after a game.
- 5. Log out from the application.

Process of Testing and results

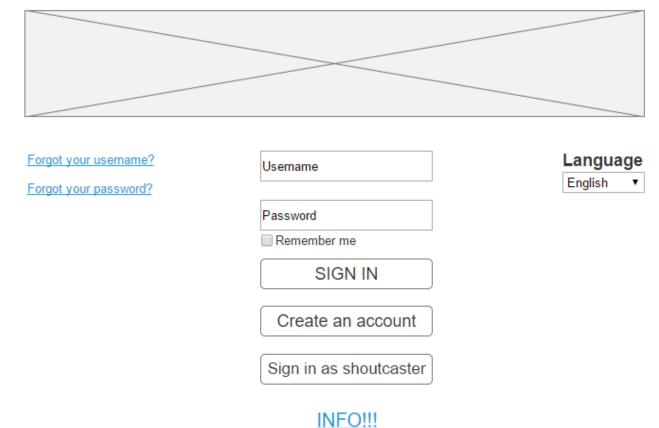
- After testing, the following questions were asked to define and to identify the results:
- Have you ever played in League of Legends?
- What is your Likes?
- What is your Dislikes?
- What is your Recommendations?

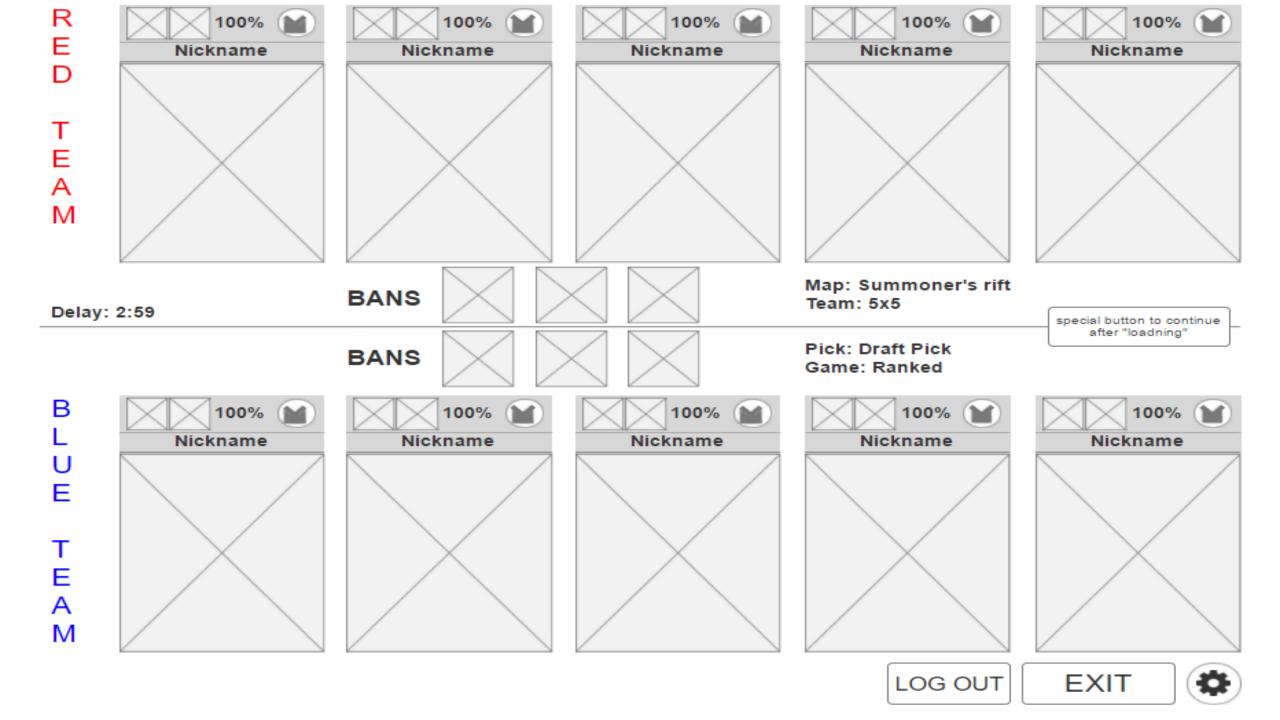
- According to questions, the following answers were received:
- Nobody has ever played in League of Legends.
- User-friendly interface. Large buttons and icons. The worked out functional. Easy-to-perceive in terms of cognitive testing.
- A difficult understanding of how to exit from the program.
- Make the button log out closer, in terms of intuitively clear, to user.

Example of the latest version of logical design – main screen.



WELCOME TO LEAGUE OF LEGENDS SPECTATER





BLUE TEAM WON

Time: 29:26 Score: 32/28/49 vs 28/34/49

Champ	ion Nickname Champion name	Summons 12/5/8	Items	Gold Minions 15,6k 270					
	Nickname Champion name	12/5/8		15,6k 270					
	Nickname Champion name	12/5/8		15,6k 270					
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	Nickname Champion name	12/5/8		15,6k 270					
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MAIN MENU

LOG OUT

EXIT



	TABLE		DIAGRAM		м					
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Combat		_								
KDA	5/5/12	8/5/8	1/4/18	18/3/5	5/4/11	0/6/8	6/7/4	5/8/4	2/7/9	8/9/3
Largest Killing Spree	2	3	1	11	2	0	2	2	2	4
Largest Multi Kill	1	1	1	3	1	0	1	1	1	1
First Blood	0	٥	٥		٥	٥	٥	٥	٥	٥
Damage Dealt										
Total Damage to Champions	31.7k	17.7k	19.4k	29.1k	22.0k	1.5k	21.4k	17.0k	9.6k	12.1k
Physical Damage to Champions	24.9k	2.4k	1.5k	24.0k	1.2k	0.6k	16.4k	0.2k	4.1k	10.9k
Magic Damage to Champions	6.8k	13.8k	17.8k	4.7k	15.1k	0.9k	1.0k	16.7k	4.2k	1.2k
True Damage to Champions	0.0k	1.5k	0.1k	0.4k	5.7k	0.0k	4.0k	0.0k	1.2k	0.0k
Damage Dealt	95.9k	137.1k	69.4k	132.4k	130.6k	4.1k	127.1k	165.7k	97.7k	94.1k
Physical Damage Dealt	86.7k	28.6k	13.5k	124.0k	17.7k	1.9k	91.1k	9.7k	50.4k	73.3k
Magic Damage Dealt	8.9k	99.8k	54.8k	7.0k	82.1k	2.2k	25.0k	155.5k	38.2k	10.8
True Damage Dealt	0.2k	8.7k	1.1k	1.4k	30.8k	0.0k	11.1k	0.5k	9.0k	0.0k
Largest Critical Strike		470		956			737			
Damage Taken & Healed										
Damage Healed	2.0k	12.1k	2.4k	1.4k	3.1k	5.3k	2.4k	2.7k	6.7k	2.8k
Damage Taken	14.7k	31.8k	11.8k	21.1k	17.0k	20.3k	21.8k	23.7k	42.2k	31.5k
Physical Damage Taken	10.6k	23.8k	8.1k	15.9k	8.6k	7.2k	11.2k	9.7k	26.4k	19.0k
Magic Damage Taken	3.0k	5.4k	3.4k	4.3k	7.8k	12.0k	9.6k	12.1k	13.8k	10.7k
True Damage Taken	1.0k	2.6k	0.3k	0.9k	0.6k	1.0k	0.9k	1.9k	2.0k	1.8k
Wards										
Wards Placed	5	3	22	6	7	15	10	12	7	14
Wards Destroyed	2	2	3	2	1	1				2
Stealth Wards Purchased										
Vision Wards Purchased	1		1		1	1				4
Income										
Gold Earned	11.3k	12.7k	11.5k	15.1k	11.8k	7.8k	11.3k	11.0k	9.0k	10.3k
Gold Spent	10.4k	10.8k	10.0k	14.9k	10.1k	6.9k	10.7k	10.4k	8.0k	10.7k
Minions Killed	137	41	58	148	168	2	159	184	14	125
Neutral Minions Killed	4	76		8	2		9	12	72	3
Neutral Minions Killed Team's Jungle	4	70		2	1		9	10	70	3
Neutral Minions Killed in Enemy Jungle		6		6	1			2	2	

Conclusion

List of possibilities of developed UI

- Log in into application using registered account for game.
- Log in as a Riot Games worker (for professional shoutcasters).
- Register without redirecting to official site.
- List of connected friends.
- Interactive instructions.
- Spectating a game of your friends.
- Choose the server to spectate challenger players (professional players).
- List of custom games, where user is also able to connect and spectate.
- Chatting with friends by voice.