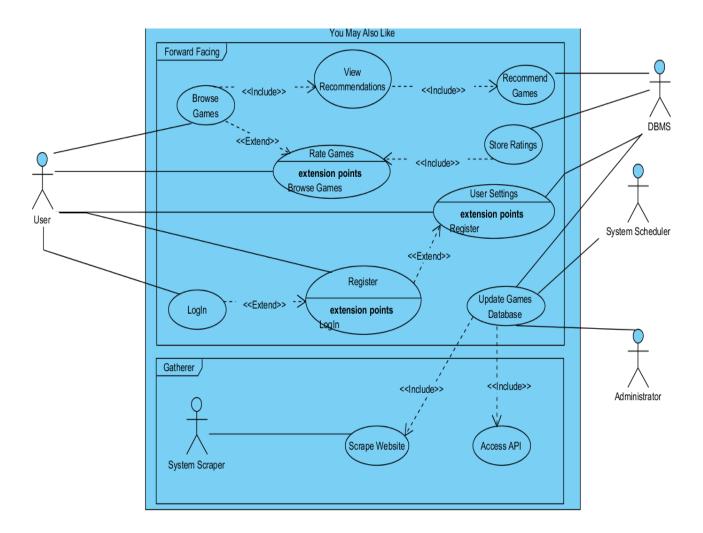
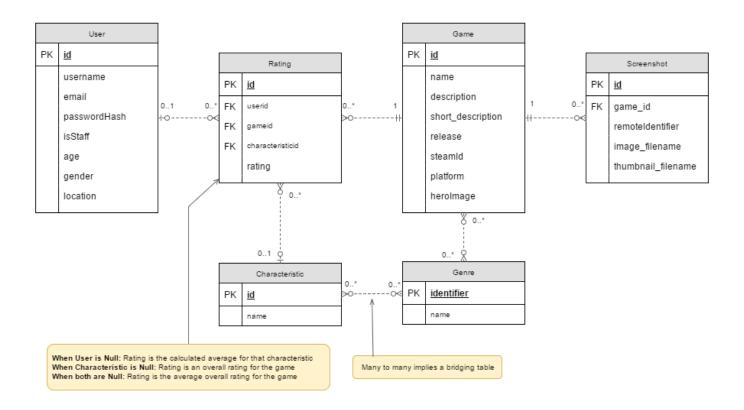
Requirement Model

"You Might Also Like..."

Use-Case Model



Database Design



1.1. Browse Games

When authenticated User

Wants to view the games within the system they visit the "browse" page

So that they can see the variety of games that are registered with the system or can see details on a specific game including description, current ratings, posts from other gamers in regards to their feedback to the game, can also rate a game. Further implementation could include ability to purchase a game. This page also lists trending games based on analytics on gamers gaming behaviour and its match with other users of similar gaming behaviour rating the games they like.

Includes use-case 1.3. (View Recommendations)

1.2. Rate Games

When authenticated User

Wants to rate a game within the system they can simply do so on the browse page itself

So that they can provide specific ratings to the games they desire and can also post their speak in relation to the game as feedback

Extends use-case 1.1. (Browse Games)

1.3. View Recommendations

When authenticated User

Wants to view the current list of games recommended for them they visit the home page or and click on "View Recommendation"

So that the User can view all games recommended by the system based on their preferences, the complete info on the game and the ability to rate the recommended game is provided to the user, the user can simply move on to next recommended game via "Next Recommendation"

Is included by use-case 1.1. (Browse Games)

Includes use case 1.4. (Recommend Games)

1.4. Recommend Games

When authenticated user in on Home Page a.k.a. browse page DBMS simply displays recommended games Wants to view the current list of games recommended for them they visit the home page or "recommended" page So that the User can view all games recommended by the system based on their preferences Is included by use-case 1.3. (View Recommendations)

1.5. Store Ratings

When authenticated user rates a game, DBMS updates and stores data on rating provided Wants to provide feedback on a specific game via a rating system So that the User can provide feedback and DBMS can store data for further analytics Is included by use-case 1.2. (Rate Games)

1.6. Login

When User

Wants to login to the system they click login and enter their account details So that the User is authenticated and can perform actions that require authentication

1.7. Register

When User

Wants to register an account for the service they click register, and fill out the requested information So that the User is granted an account and the system has the required information about them Extends use-case 1.6. (Login)

1.8. User Settings

When authenticated User

Wants to update their settings/account information they visit the settings page and alter any information/settings they wish, they can also specify the game preferences under this which can be later updated as and when required So that the User's settings/info is updated and the system reflects this

Extends use-case 1.7. (Register)

*** Notes - DBMS is subsequently updated with data on login, register and User settings a depicted by the Use Case diagram

1.9. Configure Genres and Genre Characteristics

When authenticated User

Wants to blacklist a genre or hide a genre or simply hide a certain characteristic out of a specific genre from their recommended game list or from the browsing option

So that the blacklisted and hidden Genre or a genre with specified characteristic is not visible to the user when viewing recommended games

2.1. Update Games Database

When the Scheduler

Triggers based on settings it begins the process of updating the games database

OR

When an Administrator

Wants to manually trigger the process of updating the games database they visit the administrator page and trigger the update

So that the system will begin launching scrapers and accessing APIs to grab game lists from external sources Includes use-cases 2.2. And 2.3. (Scrape Website and Access API)

2.2. Scrape Website

When the System

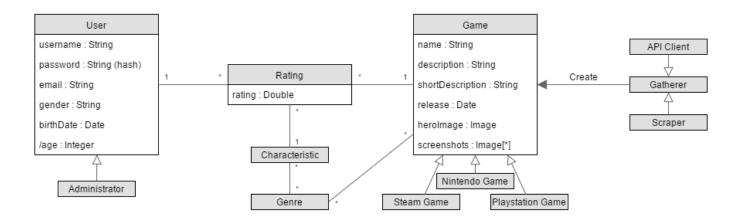
Launches the Scraper the Scraper searches the entirety of the website for relevant data (game info) So that the system's database can be updated despite the target data not having a public API

2.3. Access API

When the System

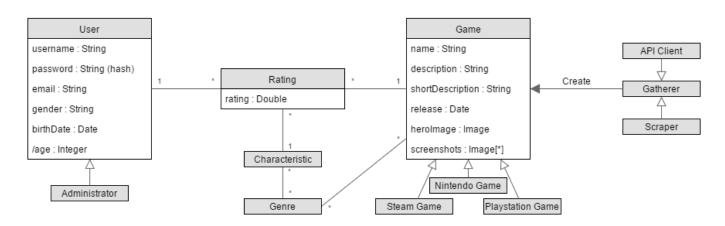
Wants to update its database using a service that provides a public API they run a series of API calls So that the system's database can be updated with the new data

Domain Model



Non-Functional Requirements

Can be found in the separate N Domain Model



Non-Functional Requirements

Can be found in the separate NFR list on version control and below:

You May Also Like / You May Dig a.k.a. YMD

NFR	Trigger Question	Impact	Answer	Strategy	Priority
Security	Will the login access be created	Loss of business/customer	Authorized access only	Terms and conditions	Medium
	via social media accounts such as	data,		provided to the	

email services such as Gmail or the log in will be platform/softwar e independent i.e. will this software be able to plug in /integrate to any other platform/softwar e such as games , Netflis, or any other service or choice offering platform and will use the existing login details that is already there as the user will probably be already logged in will there be any payment required to obtain any premium features assuming that there will be a free version available Audit Will usage behavior be recorded, analyzed and audited with a time stamp Performance Will the platform be able detect ever changing usage behavior and able to adapt the commendations providing usage behavior and able to adapt the commendations proving the platform will be platform and will to to adapt the commendations to the log in which account including payment including including including including including including including including includ		Facebook OR	Abuse of payment	Payment card	user at	
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	Will browsing through the recommendation list of items be simple offering easy navigation and have a logical reason behind the recommendation	will generate no interest from users making this an useless exercise	tastethen the recommendations needs to be relevant enough	performa nce, easy navigation via low page load requireme nts	
Capacity	Will the traffic of users be supported at all times	Many customers unable to use the web system as and when required/desired. Loss of revenue due to users not returning back to use the system due to frustrating experience	Enough hosting bandwidth allocated, infrastructure should be able to support unlimited concurrent user via elastic server and storage environment	Elastic infrastruct ure deployme nt including server, bandwidt h and data center arrangem ent	Low
Availability	Will the uptime of web system be 100%	Loss of confidence among users including raised concerns about the privacy of their data if the system is down	99.999% uptime guaranteed infrastructure and backend support No downtimes and quick recovery plans	Legal vendor agreemen ts in place for infrastruct ure with strict SLA, Penalties in the instance of breach , Incentive plans for infrastruct ure managers for 100% uptime in timely manner, Backup links and backup to backup links in	Medium

		T	T		
				place for	
				internet	
				and	
				hardware/	
				software	
				compone	
				nts	
Reliability	Will the system	Frequent failure of	The mean time	Legal	Low
	be available and	the system could	between failure	vendor	
	functional at all	result in loss of	rates should be	agreemen	
	times?	consumers and	minimal. If the	ts in place	
		revenue of business	system does fail	for	
			the recovery	infrastruct	
			should be instant	ure with	
				strict SLA,	
				Penalties	
				in the	
				instance	
				of breach	
				,	
				Incentive	
				plans for	
				infrastruct	
				ure	
				managers	
				for 100%	
				uptime in	
				timely	
				manner,	
				Backup	
				links and	
				backup to	
				backup	
				links in	
				place for	
				internet	
				and	
				hardware/	
				software	
				compone	
				nts	
Recovery	Will the down	The increased	The recovery	Legal	Low
	time be minimal	downtime could	should be instant	vendor	
	with no usage	result in frustration	within a split	agreemen	
	impact to the	of consumer's faith	second. It is easy	ts in place	
	consumers	in the company as it	to deploy solutions	for	
		is a common practice	like these and	infrastruct	
		to be recovery	again is a common	ure with	
		instantly fixed. This	practice	strict SLA,	
		could result in raised			

		data security		Penalties	
		concerns among		in the	
		users as well again		instance	
		reducing revenue		of breach	
		_		OI DI Eacii	
		and number of users		,	
				Incentive	
				plans for	
				infrastruct	
				ure	
				managers	
				for 100%	
				uptime in	
				timely	
				manner,	
				Backup	
				links and	
				backup to	
				backup	
				links in	
				place for	
				internet	
				and	
				hardware/	
				software	
				compone	
				nts	
Compatibility	How will the	Nonfunctional	This should be a	Testing	High
Compatibility	system work on	system with	key part of testing	procedure	111611
	different	transaction errors	process before any	in place	
			· ·	•	
	platforms such as	and increased time	production goes live and is	for any	
	iOS, android,	to complete		integratio	
	windows and	transactions,	available for the	n or	
	web. Will we	frequent crashes on	user to experience.	deployme	
	need to integrate	different platforms.		nt of any	
	with payment	Frustrating user		upgrades	
	card companies?	experience		or error	
				fix.	
Maintainability	Wil there be any	Increased downtime	The maintenance	The	Medium
	frequent	and increased	work should be	regular	
	updates/upgrade	frustration among	done in the	maintena	
	s required	users	background and	nce	
			should have no	should	
			impact on the up	have zero	
			time of the system	impact on	
				the up	
				time. This	
				could	
				again be	
				part of	
				vendor	
1	1		I		

Usability	Will the system be easy to use	Complex and non- user friendly platforms are never the popular ones and normally are often replaced by a competitive system concentrated merely on user friendliness. Failure to deploy a user friendly system could result in no business at all often	The system should cater to people of all ages and computer literacy, should be pleasant to use and should be consistent across all pages of its existence. The error prevention techniques should be used to avoid transaction errors.	and infrastruct ure manager SLA. If the downtime is unavoidab le then the users should be notified beforehan d. This is a very complex and a broad concept. It derives from several fields including but not limited to	Extremely High
				psycholog y, expert panels, graphics and animation s. Significant time should be spent on this concept including its R & D. The system should be able to cater to	

				people of all ages including, all sorts of language and computer literacy	
Documentation	Will users have help docs available including their legal rights entitlement	Lack of privacy policies and legal entitlements declaration could be a legal breach with serious consequences. Help docs and FAQ could enhance user experience	Documentations tab available on all pages layout available for the user to click on to go through a list of available uploaded docs and links	skills Regular uploads at the backend of this doc tab and available links .constant updates to the doc if required to keep it updated	Low
Integrity	Will we have a log of data validation and fault tracking	Less visibility could pile on errors over time and reduce security and would make it impossible to enhance user experience if no analytics could be run on this log	This is a complex thing to deploy and should be carefully considered .Would require a lot of business use cases	Some use cases could be deployed in the start of the system developm ent. This however needs to be part of the system maintena nce and needs to be a cognitive practice i.e. learn and deploy.	Low