Software Requirements Specification

Team 10
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A. As a user, I want to access my Destiny 2 account through the web application so I can have a personalized experience.

    A.1 The web application must have a visible login feature.

    A.2 The web application must prompt the user to log-in through Bungie.net

    A.3 The web application must maintain the user's login status through the entire session.

    A.4 The web application must allow the user to log out of the application through Bungie.net, if desired.

B. As a player, I want to access my character's inventory through a web application so I can see my gear without needing to be actively playing the game.

    B.1 The character inventory must be current and up to date with the game.

    B.2 The character inventory should be sorted for easy viewing. Weapons, Armor, and Misc items should be separated.

    B.3 The character inventory will be tied to the user account. The user will only see their account's inventory.

C. As a newer player, I want to be given a usable loadout so I can be successful in a specific activity.

    C.1 The loadout must be usable and possible given the game's exotic gear constraints.

    C.2 The loadout must have ties to the activity's specific modifiers.

    C.3 The loadout does not need to be optimal, but must be ultimately beneficial.

    C.4 The loadout can only consist of items the player currently owns.

D. As a new player, I want an easy way to be suggested a number of unique loadouts to see which one i will like best for specific activities

    D.1 The loadouts should be up to date with the recent meta for best possible loadout combinations

    D.2 Loadouts must be related to the given activity for player satisfaction

    D.3 The loadouts do not need to be very different, however they should have noticeable differences

    D.4 If possible different loadouts should be provided based on player experience

E. As a returning player, I want recommendations for loadouts based on the changes in Destiny 2's meta since I last played, ensuring that I'm up-to-date with the latest gameplay trends.

    E.1. Loadouts should be recent and make sense based on the current meta

    E.2. The browser should be able to self update along with the web server due by connecting to bungie API

F. As a solo player, I want loadouts that enhance my self-sufficiency and survivability for activities that don't require a full fireteam, such as solo missions and activities.

   F.1. the loadout provided should be efficient enough for solo clearance of missions/activities

   F.2. The loadout should also be recent and so it doesn't hinder experience of the players who prefer to play alone.

   F.3. the browser should be able to rely on the self update to provide a good number of efficient loadouts for solo players.

G. As a veteran player, I want a loadout that will be suitable for mechanically challenging or combat intensive encounters so that I don't struggle with difficult activities as much.

   G.1 The loadout should be relatively future-proof.

   G.2 The loadout should be catered to the requirements of each encounter.

   G.3 The loadout should have two exotic gear pieces that synergize.

H. As a new player who is curious about game systems, I want a loadout recommendation tool that contains a suitable explanation for why certain loadouts are recommended so that I eventually understand the game enough to make my own loadouts.

   H.1 The loadout should contain a brief explanation of the exotic and subclass effects that make it useful.

   H.2 The loadout's internal mechanics should be easy to understand.

I. As a player who wants to share loadout recommendations with friends, I want a feature that allows me to easily share loadout configurations so my friends will be better able to handle difficult activities.

   I.1 The loadout should have a graphical representation of its gear pieces and subclass configuration.

   I.2 This graphic should be formatted in such a way that it is easy for the player to understand what goes into the loadout.

   I.3 The graphic should be labeled with what activity it is intended to be used in.

J. Having a great foundation on the game I noticed I could easily jump into any activity and handle myself. But now I want to be able to see all the armor I have so my guardian has the best-looking gear. I want to be able to show people what armor I'm using to look that cool.

   J.1. The Graphic should be set up as you should be able to share what your guardian is wearing at different times and different builds.

   J.2. The graphic should be able to produce said players attire.

   J.3. The graphic should be able to have the name of the gear.

K. As a player who is decently fond of the game After logging into my bungie account through the web application should make handling my gear exponentially better.

> **K.1.** Should be able to instantly show the gear you have and equip.
> **K.2.** Show you all the extensions of the gear.
> **K.3.** Should be able to look at all the gear you currently have.

L. As an intermediate player I have a solid foundation as to how the game works and what mods can help me with some encounters. But as I dabble in the harder content meant for veterans of the game it showed me there is much more room for growth. I hated not knowing what mods I had at my disposal and what they were capable of.

> **L.1.** A graphic showing you what types of mods gear can hold.
> **L.2.** Another graphic showing what each mod for the gear does.
> **L.3.** Showing you what you have based on what mods you choose for your gear.

M. As a player who frequently plays the Gambit activity, I want a loadout recommendation tool that recommends a loadout for whatever role that I enjoy playing.

> **M.1.** The tool should have the player input which role they enjoy playing when they indicate they are searching for a loadout recommendation for use in Gambit.
> **M.2.** The tool should allow for the player to forfeit choosing a role and instead opt for a more generic or jack-of-all-trades loadout.

N. As a player who enjoys more ability-focused gameplay, I want a tool that recommends loadouts that will maximize the power and frequency of my character's abilities.

> **N.1.** The tool should allow the player to filter a list of loadout recommendations into a list of ability-focused loadouts.

O. As a player who enjoys weapon-focused gameplay, I want a tool that recommends loadouts that will maximize the damage potential of my weapons.

> **O.1.** The tool should allow the player to filter a list of loadout recommendations into a list of weapon-focused loadouts.

P. As a veteran player, I want to transfer gear around my account so I can use whatever I want, whenever I want.

> **P.1** The app should support transfer of gear between all three characters, as well as the vault.
> **P.2** The app should be fast and responsive in transferring gear.

Q. As a new player, I want to know why some gear is not recommended for a given activity so I can learn what mechanics to be mindful of.

      Q.1 Certain armor or weapons should be grayed out if they are a very poor choice.

      Q.2 If a piece of gear is grayed out, it should be explained why so the user understands.

      Q.3 Warn, but do not restrict the user from using the poor loadout option.

R. As a learning player, I want to know what some of the top weapons are based upon community usage so I can see at a glance what is popular.

      R.1 There should be a place to see the top 10 weapons used by players in the last 24 hours.

      R.2 Weapons should be ranked in order of total kills by that weapon, indicating higher usage.

      R.3 There should be an option to switch between PvE and PvP kill counts.

W. As a more experienced player I want the ability to customize and save my preferred loadouts for specific activities, allowing me for a more tailored gaming experience based on my preferences.

      W.1 The software should allow the user to save/favorite their preferred or liked loadouts in case they want to come back to them for future use.

      W.2 The software should save the hassle of trying to memorize every loadout you might have liked instead of having to memorize it.

      W.3 The software should allow the user to experiment with different loadouts and compare loadouts simultaneously to make the best choice.

X. As a role-playing enthusiast, I want loadout suggestions that align with specific Destiny 2 lore or character themes, allowing for a more immersive gaming experience.

      X.1 The software should allow players to play the story as close to lore as possible.

      X.2 The software will help players feel more immersed in the story by using story-accurate loadouts during playthrough

Y. As a clan leader, I want a feature to generate suggested loadouts for my clan members to help coordinate our loadouts and strategies for group activities.

      Y.1 The loadout generation tool should make it easier for clan leaders to help out lower rank members in the clan to benefit themselves and the clan.

      Y.2 The loadout generation tool will allow full optimization of clans when participating in missions.