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Bird Reborn System Requirements Document

Dead Bird
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Table of Contents

Introduction (CP).....	3
Description Model (CK).....	3
Class Diagram (BM).....	4
Use Case Diagram (CP).....	5
Use Case Scenarios (CP, BM).....	5
System Sequence Charts (BM, CK).....	5

Introduction (CP)

The purpose of this document is to start planning out the most probable methods and variables required in order to have Bird Reborn function. This document contains the description model, class diagram, use case diagram, use case scenarios, and system sequence charts. The description model is responsible for describing the outputs, inputs, processes, performance, and security requirements for the system. The class diagram is responsible for describing any objects within Bird Reborn along with their attributes and methods. The use case diagram is used to show how the user interacts with the system and others through the system. The use case scenarios are used to describe what is happening in the use case diagrams. Finally, the system sequence charts are used to describe the use case diagram and scenarios on a more technical system level and tell what data and methods are being sent to the system and back to the user.

Description Model (CK)

The requirements are the same between X/ Twitter and Twitter after the Bird Reborn project is completed. There are new functions that should be noted, which are discussed below.

Output:

There are now more app-wide themes for users to use to their liking to provide a new and colorful experience for new users . Profile themes allow premium users to make their profile however they see fit, with custom gradients and colors for the background and custom images to show your interests and hobbies. Community badges offer a sense of connection by showing off communities you are a part of on your profile and will be available to all users. Even if you don't want any of these new added options, the app-wide themes and profile themes can be disabled), the reason why an account is verified is made more clear with a new feature to differentiate premium users and public figures. The checkmarks when clicked on will bring up a ui element telling the user why that user is verified. This added layer of transparency makes it easier to identify trusted members and leaders.

We've also introduced a new optional moderation feature called block reasons. This allows a user to see the reason (or not if the blocker chooses to) when getting blocked. This feature remains entirely operational, with the user initiating the block having the choice to use it or not.

Input:

There are new content filtering options for all users to attach to their posts. How it works is that the user while they are making their tweet is able to label tags giving information on what kind of post it is or what it contains. While such a feature exists already on the base app, this will

further make it easier for users to know what content they are about to read or see to prevent tweets containing such content from showing up on their timeline.

- Nudity
 - Artistic Nudity
 - Adult Content
 - Other (User or moderator input)
- Violence
 - Light (Minor injuries)
 - Moderate (Major injuries)
 - Extreme (Catastrophic injuries)
 - Other (User or moderator input)
- Sensitive content
 - Flashing lights
 - Substance use
 - Self harm
 - Gambling
 - ...more could be added as see fit
 - Other (User or moderator input)
- Medium (type of photo)
 - Real life photo/video
 - Real life modified (“photoshopped”/vfx)
 - Art (Drawing, painting, 3D model, etc...)
 - AI generated
 - Other (User or moderator input)

An optional feature is the block reasons. This allows the user to input reason or nothing when blocking someone, which said reason for blocking can be shown to the blocked user on blockers profile. This message will be limited to 280 characters for the blocker to type in their reasons. In addition users will also be able to display which community badges they want on their profile.

Processes:

All X/Twitter processes are retained but edited with the new content. We do not plan to remove any past features. Every existing process from timelines and notifications to spaces, lists, and direct messages will stay and be optimized to work with the new features. This ensures that long-time users can continue using the platform as they always have, while also benefiting from the modern updates that Bird Reborn provides.

Performance:

Performance on low end computers could be affected by the new profile theme system but due to the fact they are limited to static images such as .png, .jpg and non animated .webp that are no bigger than 10 MB, the slight performance loss won't be noticeable to affect a

majority of users. All of the other new features will not meaningfully impact the performance of the application.

Security:

Authentication for public figures will be done by the public figures applying through an official process, meeting specific eligibility criteria and providing necessary documentation.

Security remains a top priority, so it should be noted that Bird Reborn project will not alter the platform's core security infrastructure. No changes are being made to data protection policies, authentication, or encryption methods. The security systems will remain fully intact and will continue to protect user information, privacy, and stability and will not change the underlying security measures as they already work as intended. Users can explore the new features with confidence, knowing that the out security measures remain unchanged and fully operational.

Class Diagram (BM)

[View "BirdRebornClassDiagram.pdf"](#)

Use Case Diagram (CP)

[View "use case diagram bird reborn.pdf"](#)

Use Case Scenarios (CP, BM)

[View "use case descriptions bird reborn.xlsx"](#)

System Sequence Charts (BM, CK)

[View "BirdRebornSystemSequenceDiagram.vsdX"](#)