

# Group 105: NumberNite

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## About NumberNite

NumberNite is a personalized, community-driven platform. Authentication, friend requests, friend lists, and private direct messaging allow users to form and maintain social connections. Profile customization, including profile pictures, bios, private profile options, and gameplay statistics, gives users a sense of identity and ownership. Forum upgrades, such as hashtags, search functionality, and topic-based groups, enable users to interact around shared interests. To further strengthen user connection and comfort, users can choose from several UI themes, including color and font personalization, creating a visually consistent and welcoming experience. Together, these features create a social space where users can play, connect, and express themselves, encouraging repeat engagement and a strong sense of community.

## Design Decisions

For all of our newly implemented features, we kept our design consistent with the original GameNite codebase's design, worked to keep a separation of concerns, and maintained testability. For the backend, we kept the controller-service-repository architecture. For example, for backend files for forum groups, we had a separate forum service and controller. We also implemented custom hooks to reuse state logic in multiple places.

## What's next for NumberNite?

NumberNite has potential for expansion by introducing new features that enhance user experience and strengthen community interaction. UI improvements could make the platform more seamless and intuitive to navigate. Adding more games would increase engagement, while expanding the forum functionality, such as enabling photo uploads, private and invite-only groups, would foster deeper user connections. Additional features like automatic logout after periods of inactivity, user blocking, and more advanced group filtering would further improve usability, security, and personalization.

## Demo!

Public demo site: <https://spring26-project-group-105-1.onrender.com>

Source repo: <https://github.com/neu-cs4530/spring26-group-105-1>

