Nudge Bud

Stay focused • Be Present • Follow your Passions

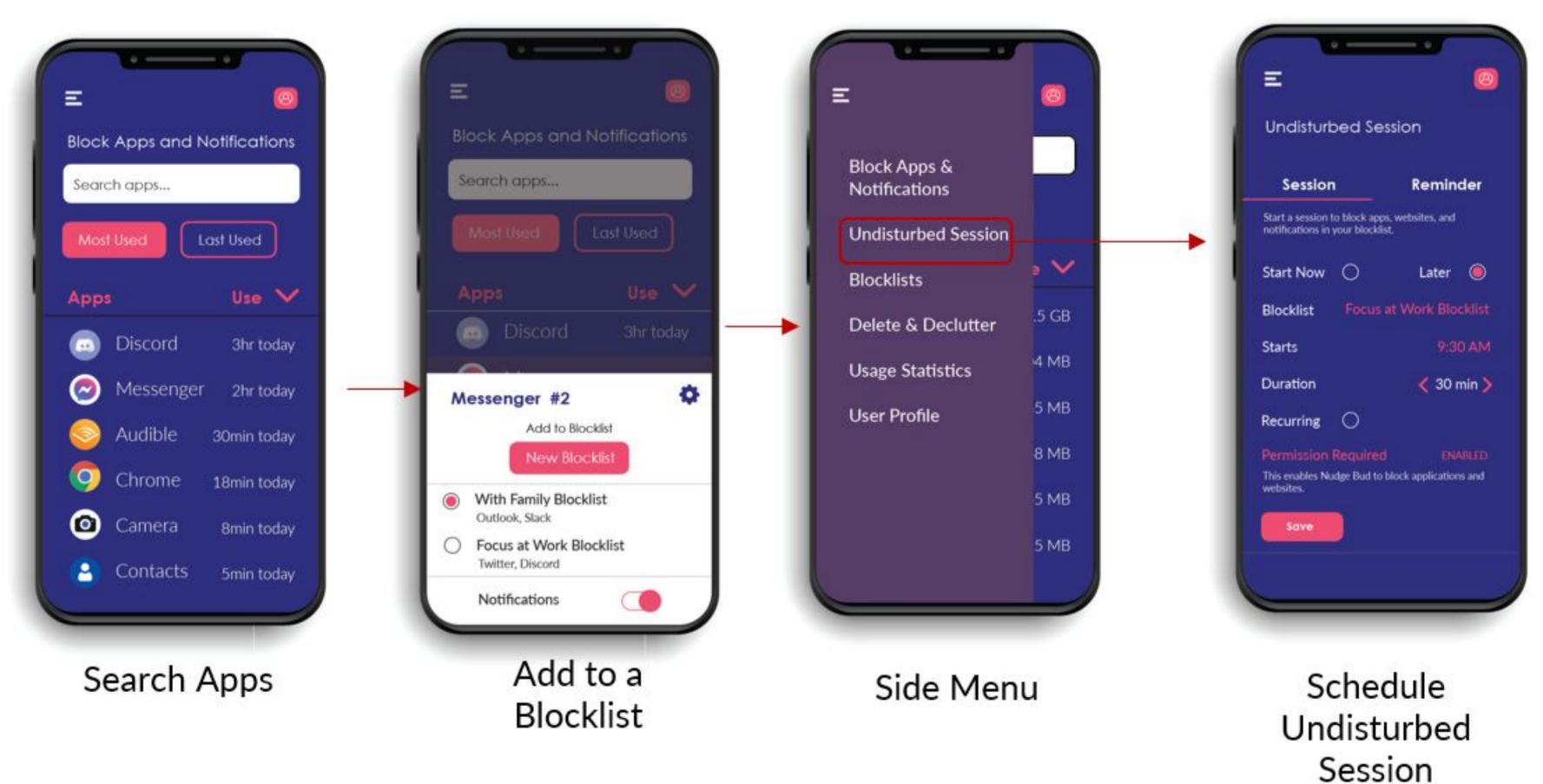


Team: Pink Chaos

Carrie Schaden and Ana Mendes School: Seattle University

UI / UX Architecture

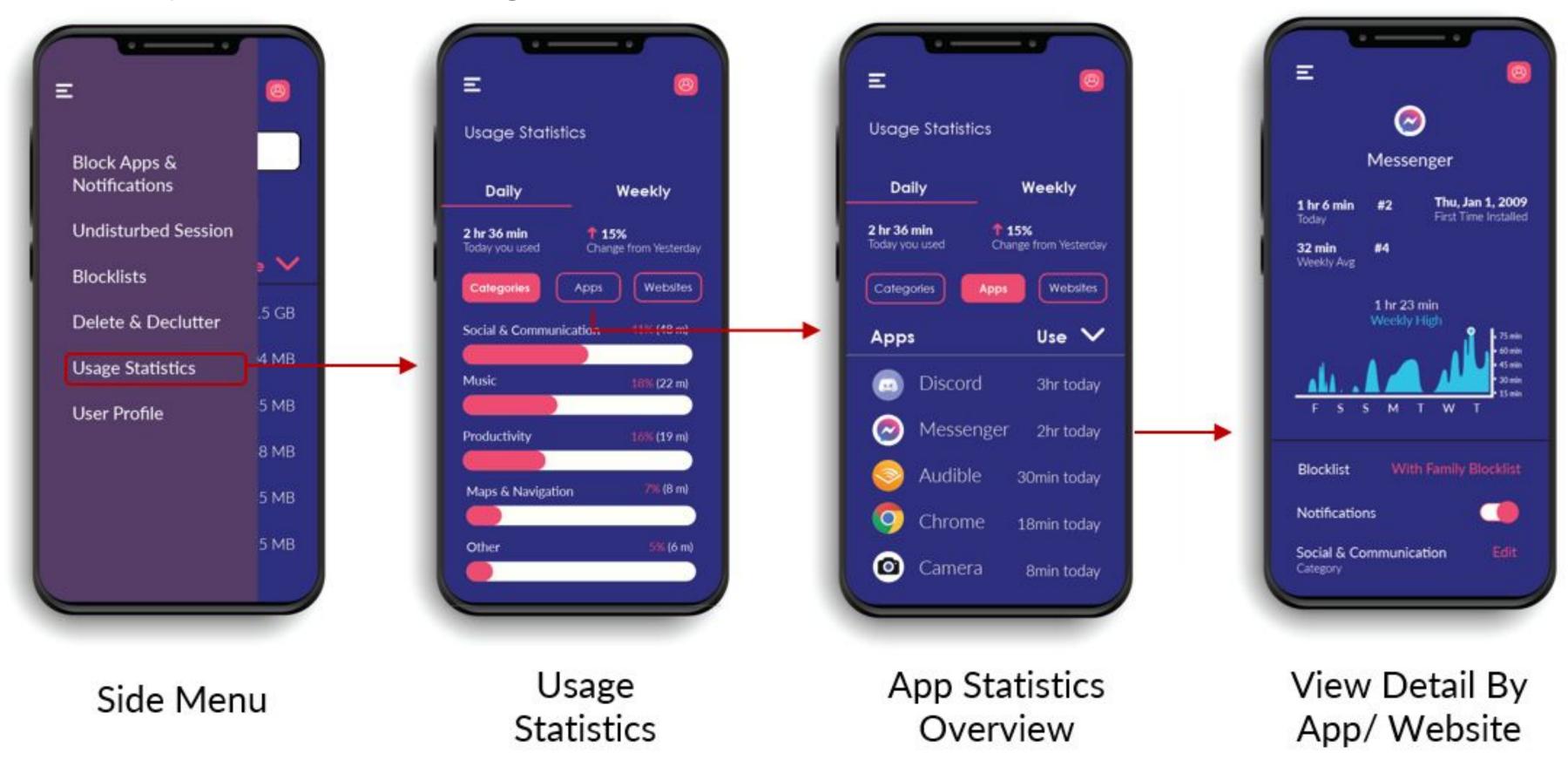
User Story - Configurable blocklist: Users can create a blocklist and schedule an undisturbed session based on blocklist.



- UI that emphasizes simplicity and clarity.
- Getting feedback fast and often with a continuous integration deployment pipeline, usability testing, and direct feedback from UserVoice.

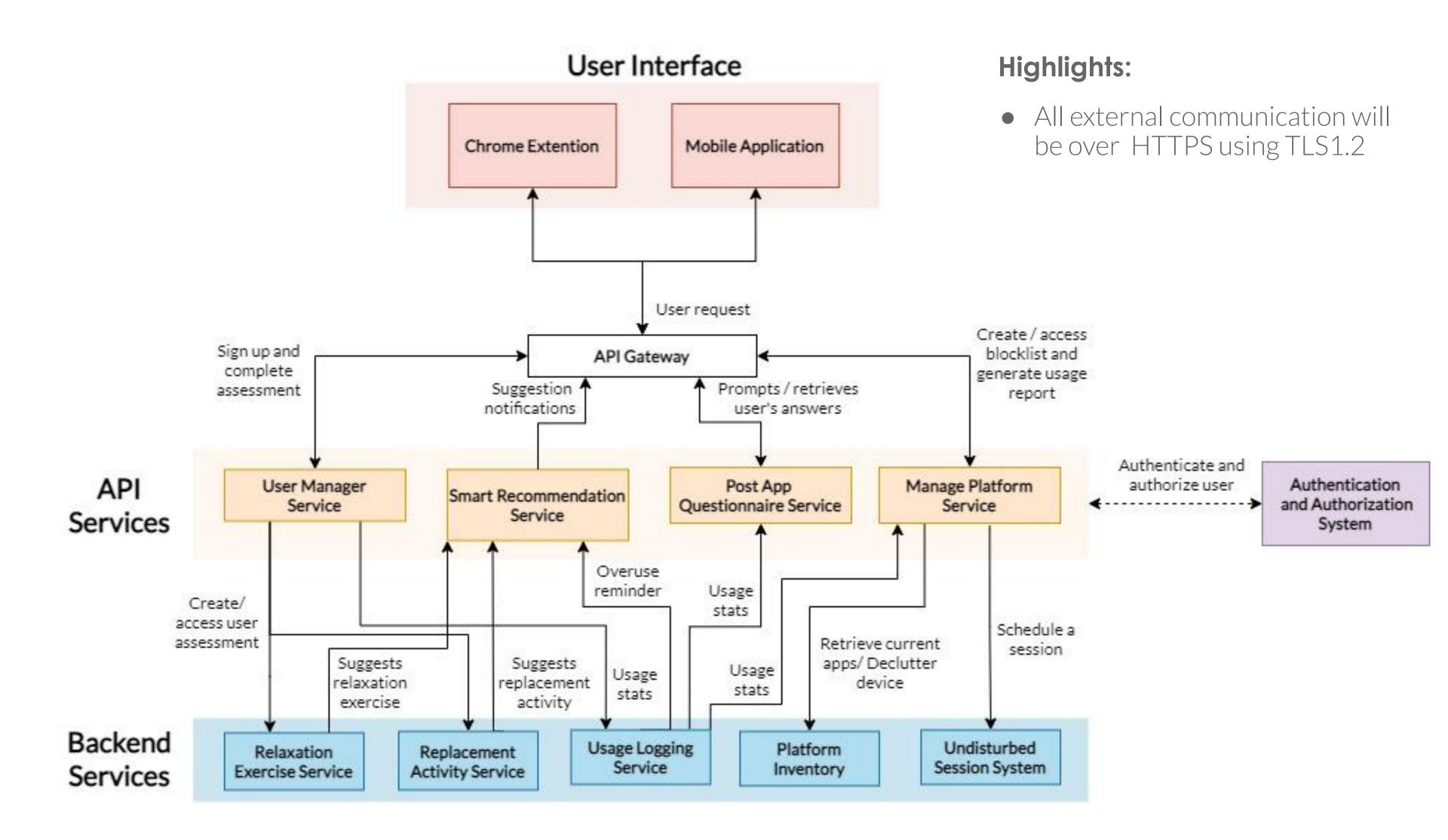
UI / UX Architecture

User Story - Visualize usage stats: Users can track their app and website usage to easily understand their digital habits.

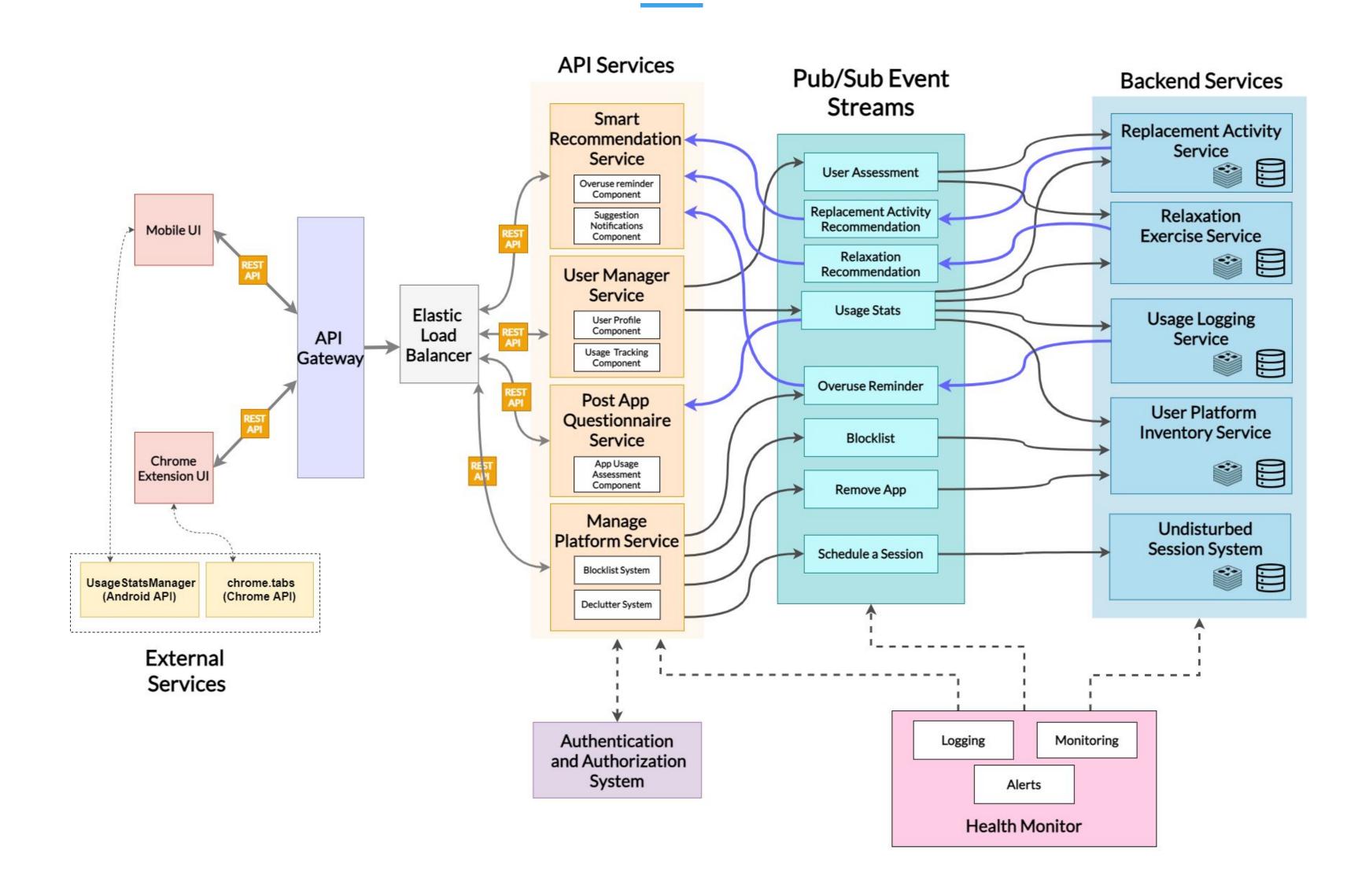


- Accessibility is a core value and the UI has an accessibility mode with custom color ratios, scales easily, and has bigger fonts so that people of all backgrounds can easily navigate.
- The system is also available as a browser extension and we maintain **visual** consistency for users when appropriate for the form factor.

High Level Logical Components



Architectural Style



Terraform Azure 4. push Docker Azure Container Registry Jenkins 3. trigger 5. deploy 5.1 deploy to prod run tests build (with incremental ramp up) app MongoDB 2. continuous integration trigger Azure Kubernetes Service US-East Business Logic US-West Web UI dev staging/ QA GitHub Kafka 1. git push 6. monitor Azure Active Azure Monitor Directory 7. Google Play 8. assign APK Rollout track to Publishing API to tracks a percentage of users Google play store Firebase Test Lab 9. Chrome Production track Web Store to all users Publish API Google chrome web store Monitor 10. extension Google Analytics rollout to users UserVoice 11. monitor and user feedback

Deployment Architecture

- The microservices are independently deployable with automated rollback and incremental ramp up.
- Unit, integration, and instrumentation tests are run as part of our continuous integration/ continuous delivery (CI/CD) pipeline.