

Title: Flutter: App Development

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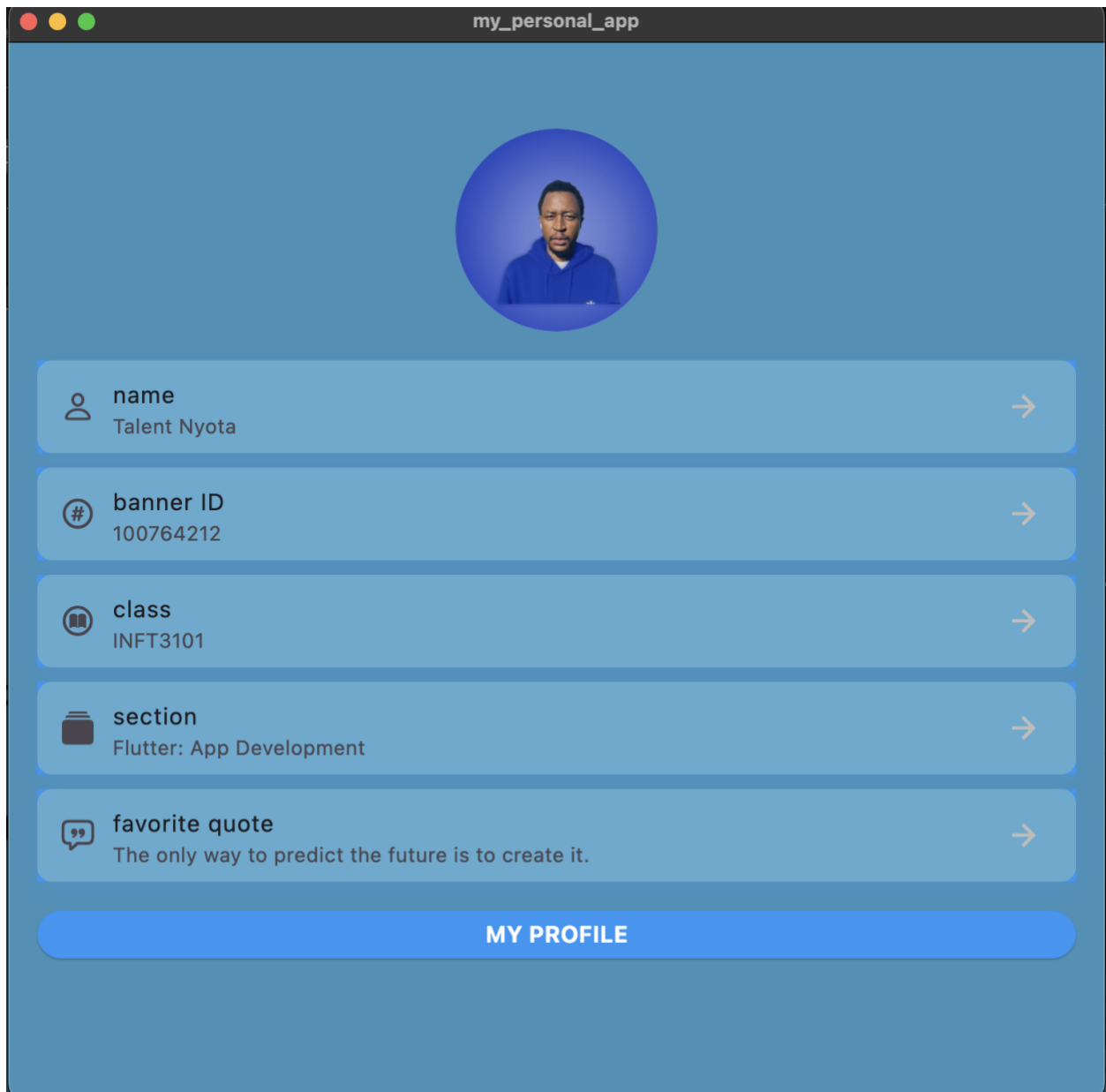
Date: 11/11/2024



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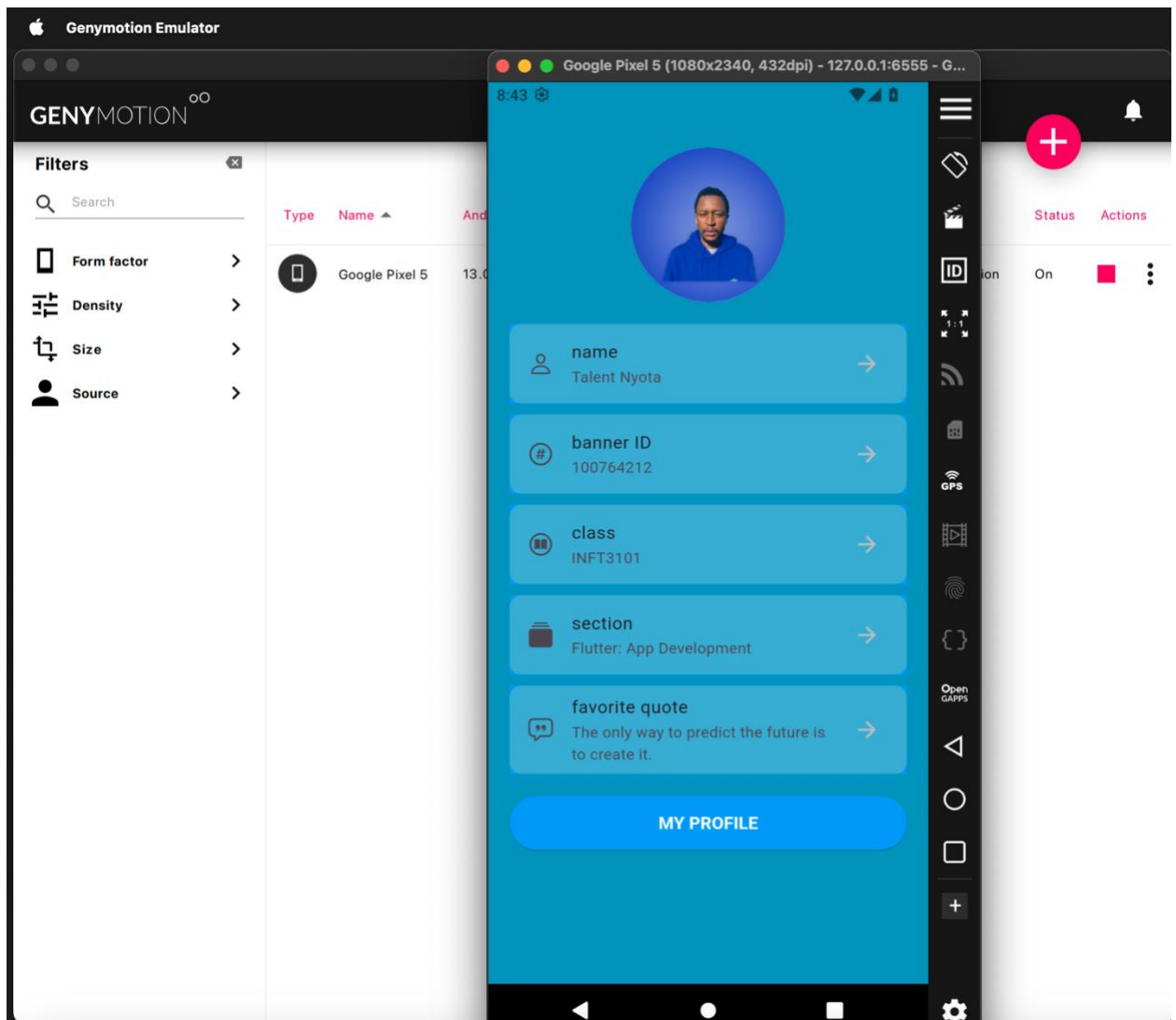
3. Screenshots of the app running in Flutter emulator.
4. Screenshots of the app running in an external emulator.
5. reflection.

Screenshots of the app running in Flutter emulator.



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Screenshots of the app running in an external emulator.



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Reflecting on Flutter and Android Studio

Switching from Android Studio to Flutter offered new opportunities and challenges. Android Studio was great for learning the specifics of Android development, including XML layout management.

Learning Experience

Flutter streamlined developing apps for both iOS and Android with one codebase, which saved time and simplified processes. Its hot reload feature significantly boosted productivity by allowing instant updates without restarting the app.

Challenges Faced

Learning Flutter's widget-centric approach was initially challenging, contrasting with Android's more traditional programming style. In Android Studio, the challenges were more about managing platform-specific details like different Android versions and device sizes.

Comparative Advantages

Flutter excels in developing consistent, cross-platform apps quickly, while Android Studio allows for deeper customization and optimization for Android apps, thanks to direct access to Android APIs.

Conclusion

Flutter is best for fast development across multiple platforms, whereas Android Studio is ideal for creating highly optimized Android-specific applications. Both tools have been crucial in developing my app-building skills, each fitting different needs.