The application that was chosen is Duolingo. The feature of the mobile application is to use a game-like approach to teach users speaking, listening, writing, and reading skills in a chosen language.

The screen features and UI components for Duolingo are listed below:

1. The home screen. This feature displays the current lesson, daily goals, and progress. The UI components are the lesson button, progress bar, daily goal tracker, and navigation menu.
2. The lesson screen. It provides an interactive exercise such as matching, speaking, and translating. The UI components are exercise prompts, answering options, microphone button, and progress indicator.
3. The leaderboard screen. The leaderboard screen is a bit of a mystery about how it operates. It displays a ranking with strangers and allows competition with friends.
4. The profile screen. The user would have their profile, achievements and progress statistics displayed in this section.

The user data would include their progress, language preference, and performance metrics. The external data is the language content and exercises from linguistic experts. Each area has data sourced from the mobile application. They can be from an external source and from the user.

1. Home screen. It displays the user’s progress and goals. The data comes from user interactions and application algorithms.
2. Lesson screen. Accepts user inputs for exercise and displays feedback. The premium feature allows an explanation with an AI tool of what went wrong and gives a detailed description for the correct answer. The data is sourced from the user’s responses and application language database.
3. Leaderboard screen. This displays a user’s ranking based on points earned with other users. Data is collected from the user’s daily use and goals.
4. Profile screen. This displays the user’s achievements and progress. Data is compiled from the user’s activity and application analytics.

Duolingo data that the users interact with may assist them to meet their goals by users interacting with progress data, exercise results, and social competition. The data helps users track their learning progress, stay motivated through game-like exercises, and engage with the community. Duolingo has made it easy for users to understand their progress and stay motivated by displaying the progress and leaderboards. The application does provide a personalized learning experience to help achieve any language learning goals.

*Refences:*

*Duolingo - Learn a language for free @duolingo*. (n.d.). Duolingo. <https://www.duolingo.com/>