

ASD Playdate

Software Requirement Specification

ASD Playdate is an app designed for parents of children with Autism Spectrum Disorder (ASD). It allows parents to find other families of children with similar conditions to socialize and interact with.

Setup & Settings

1. A user **shall** be able to create a user account with an email and password for login credentials.
2. A user **shall** be able to create a parent profile for themselves including the following information:
 - First name
 - Last name
 - Primary city
 - Child profile
 - First name
 - Age
 - Sex
 - Optional information about their condition
3. A user **shall** be able to login with a user name and password.
4. A user **shall** be able to edit their parent profile at any time after the initial setup.
5. A user **shall** be able to edit their child's profile at any time after the initial setup.
6. A user **shall** be able to edit their default search radius.
7. A user **shall** be able to edit their default location broadcast duration.
8. A user **shall** be able to toggle on or off broadcast confirmations.
9. A user **shall** be able to logout.

Broadcasting & Querying

10. A user **shall** be able to broadcast their location along with the following information:
 - Broadcast duration
 - Optional request message
11. A user **shall** be able to view broadcasts by other users within their search radius in both a map view and a list view, only after they have broadcasted their own location.
12. A user **should** be able to search a location and view broadcasts by other users within their search radius of that location in both a map view and a list view, only after they have broadcasted their own location.
13. A user **shall** be able to view a detailed view of another user's broadcast containing:
 - Broadcasting user's first name
 - Broadcasting user's child's profile information
 - Optional message included in broadcast

Invites & Messaging

14. A user **shall** be able to send a chat invite to a user in their query results.
15. A user **shall** be able to accept or reject a chat invitation.
16. A user **shall** be able to view a list of their current chat requests.
17. A user **shall** be able to view a list of their pending chat invitations.
18. A user **shall** be notified via push notifications when receiving new chat invitations or messages.
19. The app **should** display the number of unread messages.
20. Chat requests **shall** expire after the requested user's broadcast duration.
21. A user **shall** be able to chat with another user, if the invite is accepted.
22. A user **shall** be able to view a list of their current chats.
23. Chats **shall** expire after 24 hours.