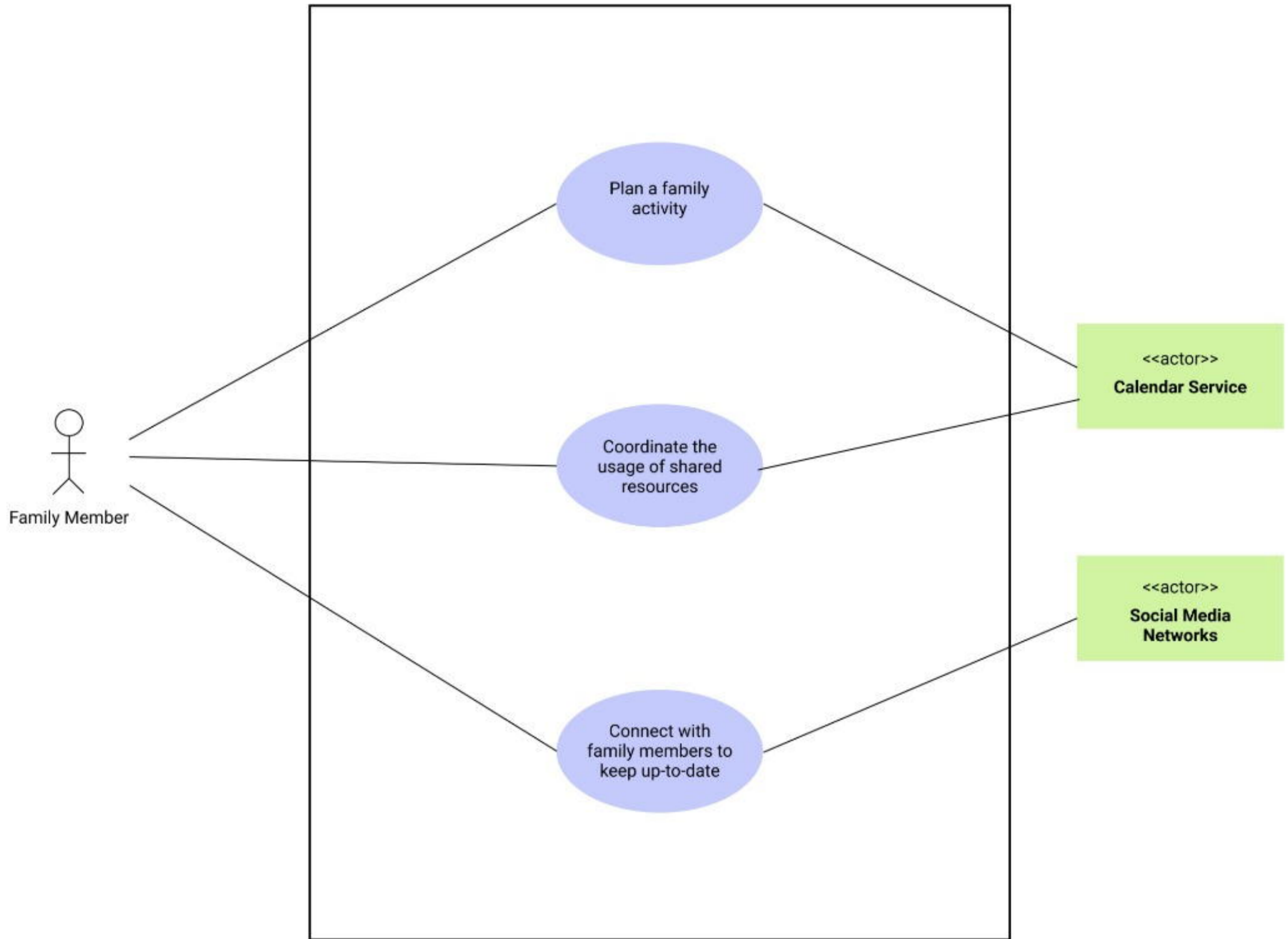


# Use Case Diagram



# Use Case Diagram Write-Up

## Actor Descriptions

**Family Member** - These are the primary human actors who are interacting with the system. Family members will use the system to facilitate the planning of family activities with respect to each member's individual schedule, coordinate how a shared resource will be used among multiple family members, and share updates about their lives with the family.

**Calendar Service** - This is a non-human actor that will provide our system with information about each family member's individual schedule, such as times when they are available and times when they are unavailable. Additionally, our system will update an individual's schedule on the calendar service with scheduled family activities.

**Social Media Networks** - These are non-human actors that provide online tools that can be used to share updates that are relevant to the family on our system.

## Use Case Descriptions

**Plan a family activity** - The system will allow family members to initiate, schedule, and host a family activity. This includes giving family members the ability to propose an activity for the whole family to participate in, vote on a specific activity, and check each person's availability through the integration with existing calendar services.

**Coordinate the usage of shared resources** - The system will allow family members to book time for when they want to use a certain shared resource and notify all other family members of that usage. It will also allow family members to set priorities for who gets to use a resource at what time, and remind family members to return a shared resource to its original place after usage.

**Connect with family members to keep up-to-date** - The system will integrate with existing social media networks to share updates that family members post on those platforms with the family. The system will also aid in creating a space that allows family members to connect with each other on a deeper level.