# Software Requirements Specification (SRS) Document

# Grid

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# Version 1

Ethan Mongelli, Hamza Ahmed, Raven Griffin

1. Project General Description

The goal of the Grid web application is to connect users to groups via a calendar. It is a new social media platform that makes making plans easy. This app will allow users to create and join groups according to their interests.

2. Product Features

The Grid Social is an application is designed to revolutionize the way users make plans and find groups of people. Below are the key features and functions that define the essence of the application:

Feed: Every user has an individual feed unique to the user. The things shown on the feed are other events posted by the people the user follows.

Popup Scrapbook: Users apart of the same group attending the same event can upload pictures to a popup scrapbook. This scrapbook will appear whenever someone clicks on the event and is visible on an individual's feed.

**3. Functional Requirements:**

- **FR0: Create/Modify User Profile:** Users can create their profiles, including personal information and calendar preferences.

- **FR1: View/Add Public Calendars:** Users can view and add public calendars of other users or groups to see their availability.

- **FR2: Establish Meeting Times:** Users can initiate a tool/sub-group feature to suggest overlapping meeting times with selected individuals or groups.

- **FR3: Automatic Calendar Updates:** When a meeting time is agreed upon, the creator of the group or sub-group can mark the time, and it will automatically update in each participant's calendar.

- **FR4: Group Management:** Users can create and manage groups, including mainboard calendars for organizations, and sub-groups for specific purposes.

- **FR5: Fun Social Features:** Optional inclusion of fun social features like theming to encourage interaction with others' calendars.

**4. Non-Functional Requirements:**

- **NFR0: Calendar Display Speed:** The system should display calendar availability and group information within 5 seconds to ensure a smooth user experience.

- **NFR1: User Interaction Time:** Users should be able to locate and interact with group features, such as creating or joining groups, in less than 10 seconds.

- **NFR2: Calendar Update Efficiency:** Automatic calendar updates should occur instantaneously or within 5 seconds of marking a meeting time to ensure prompt synchronization across all participants' calendars.

**5. Scenarios:**

a. Users – Joe Schmoe

i. GridSocial/Feed Scroll

· Initial Assumption: The user has access to the web app, is logged in and is on the main page (base directory) of GridSocial, being the feed page.

· Normal: The user will be able to see a feed focused on the day they currently on and see a public feed of social happenings on that given day

o the user can switch (via navbar) the feed to users the have followed/friended such that it only shows relevant events and "calendar nodes" that are publicized

o You can follow people you see in the public feed or request someone via search

· What Can Go Wrong: User may not have friends or followed people yet, can direct to where to do so.

· Other Activities: Client can click the refresh button to get a new set of feed recommendations. Can also switch over to personal view via the navbar at the top-left.

· System State on Completion: user can continue to scroll and find up to date feed

ii. Personal View

· Initial Assumption: The user has access to the web app, is logged in and directs to the personal view on the top left.

· Normal: The user will be able to see a weekly focused calendar that begins with their own calendar

o the user add dates (nodes) to their calendar, prompting to add details and make it private or public.

o You can also switch to view a specific person's calendar you have followed via the portion to the left of the screen

o switch between weeks focused (up and down)

· What Can Go Wrong: May be confused on which profile they are viewing and how to switch to and from their own calendar. May be resolved by vividly showing whether they are on their own account or another's. Prompt to return to own somewhere

· Other Activities: Join groups and add those calendar events to their own (they must join via request/invite). Add "Scrapbooking" to calendar node, in which you can add photos to (which is visible by feed)

· System State on Completion: user has new calendar events added to their calendar and is visible others based on parameters

a. Group Owner – a "collaborative" Joe Schmoe

i. GridSocial/Group Management

· Initial Assumption: The user has access to the web app, is logged in and is on the personal view.

· Normal: The (currently a User) will be able to create a group calendar event.

o The now group owner can invite others to this group (they have followed/friended) and establish a meeting time (via a tool). Also can remove them.

o Once the date/time is agreed upon, the event can be added to all the peoples' calendars

· What Can Go Wrong: Misplace group events once they are made. Could be resolved by having a symbol or way to view all joined/ created group nodes

· Other Activities:

· System State on Completion: calendar event is added to all participants calendars

a.Organization Manager – a selected user of a certified organization

i. Organization Calendar (houses groups)

· Initial Assumption: This Manager is provided via the GridSocial and is signed in and is on personal view.

· Normal: The Manager will be able to switch to the organization (via the friends tab on the left) in which a organization calendar is setup

o Provides method of invite to join the organization calendar

o Add and remove users within organization

o Access to management controls of organization (on right side of personal view page)

o allow groups (sent requests) to be made within organization

· What Can Go Wrong: not know where to allow requests of groups and to manage organization

· System State on Completion: a made calendar is made such that viewers can join and view the collective calendar of groups