**A close up of a logo

Description automatically generated**

**Virtual Event Platform Development Plan**

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**Video Merging Software [2.5 Weeks]**

* Enable Webcam and Capture Video (WebRTC)
* Record Screen + Voice at same time
* Send to central Location
* Send to Mux
* For testing/dev purposes
  + Capture Smit and Ashwin’s Webcam + Screen at the same time, and display without latency on a dev route.

**Client Facing [4 Weeks]**

* Live Messaging Board (Sockets)
  + Implement Emojis
  + Click on User to view profile/connect
  + Live Update on New message
  + Add message when user joins
* Create Ad Space with Ad that can be rendered from server dynamically
* Implement Mux Video in a video player
  + Fetch Stream, allow quality update manually
* With Alert (socket with userid), allow client to share their webcam to ask a question
* Header with Connections, Calendar, Profile
* Connections
  + List of all users that connected with them (capped or scroll) w/ option to reject or connect (Add new field to user connections [array of userids], pendingConnections [array of userids], render individually from server)
  + Ability to accept or reject
  + Show pending list at the top, accepted connections at the bottom
  + Add a small search bar at the top, dynamically render only users matching search
* Calendar
  + Drawer, populated with list of upcoming events, ability to RSVP yes or no to these. Sends email confirmation
  + Add event to Google/Outlook Calendar [If time permits]
  + Create new DB collection for Event: {title, description, eventDate, rsvpdUsers: [userid], visitedUsers: [userid], eventAdmin:userid, streamers:[userid], blockedUsers: [userid]}
* Profile
  + Drawer, all of the same fields as pre-register additional info, plus profile picture, Verified
    - Minus: Phone Number, DiscoveryMethod,
  + Resize picture from server-side, 2k x 2k image cap from client

**Streamer Facing [2 Weeks]**

* Message Board (same as client, but with ability to request user to join w/ webcam)
* Video Viewer
  + For webcam view, show that specific streamer their camera live to them, other users show from server.
  + Ability to turn off camera temporarily, ability to share screen
  + Rest of features same as client
* As an admin, have option to show video, or be completely hidden
* Ability to add a user to stream via webcam by email
* Ability to remove a user from stream
* As event admin, ability to block a user who’s messaging from the stream
* Header same as client
* No ads on streamer page

**Main Landing with Login [1 Week]**

* Infographic about Rootshare, similar to standard tech page
* Login box w/ ability to register. Current register plan -> take to hype landing page
* Contact information for rootshare, general FAQ
* Team Page [ITA]
* Privacy Policy, Terms of Service [ITA]

**TOTAL TIME: 9.5 Weeks**

**AVAILABLE TIME: 10 Weeks**