



CONNECT | DISCOVER | ENGAGE

Virtual Event Platform Development Plan
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Ashwin Mahesh
Smit Desai

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
 - o 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)
 - o Implement Emojis
 - o Click on User to view profile/connect
 - o Live Update on New message
 - o Add message when user joins
- Create Ad Space with Ad that can be rendered from server dynamically
- Implement Mux Video in a video player
 - o 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
 - o 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)
 - o Ability to accept or reject
 - o Show pending list at the top, accepted connections at the bottom
 - o Add a small search bar at the top, dynamically render only users matching search
- Calendar
 - o Drawer, populated with list of upcoming events, ability to RSVP yes or no to these. Sends email confirmation
 - o Add event to Google/Outlook Calendar [If time permits]
 - o Create new DB collection for Event: {title, description, eventDate, rsvpdUsers: [userid], visitedUsers: [userid], eventAdmin:userid, streamers:[userid], blockedUsers: [userid]}
- Profile
 - o Drawer, all of the same fields as pre-register additional info, plus profile picture, Verified
 - Minus: Phone Number, DiscoveryMethod,
 - o 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
 - o For webcam view, show that specific streamer their camera live to them, other users show from server.
 - o Ability to turn off camera temporarily, ability to share screen
 - o 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