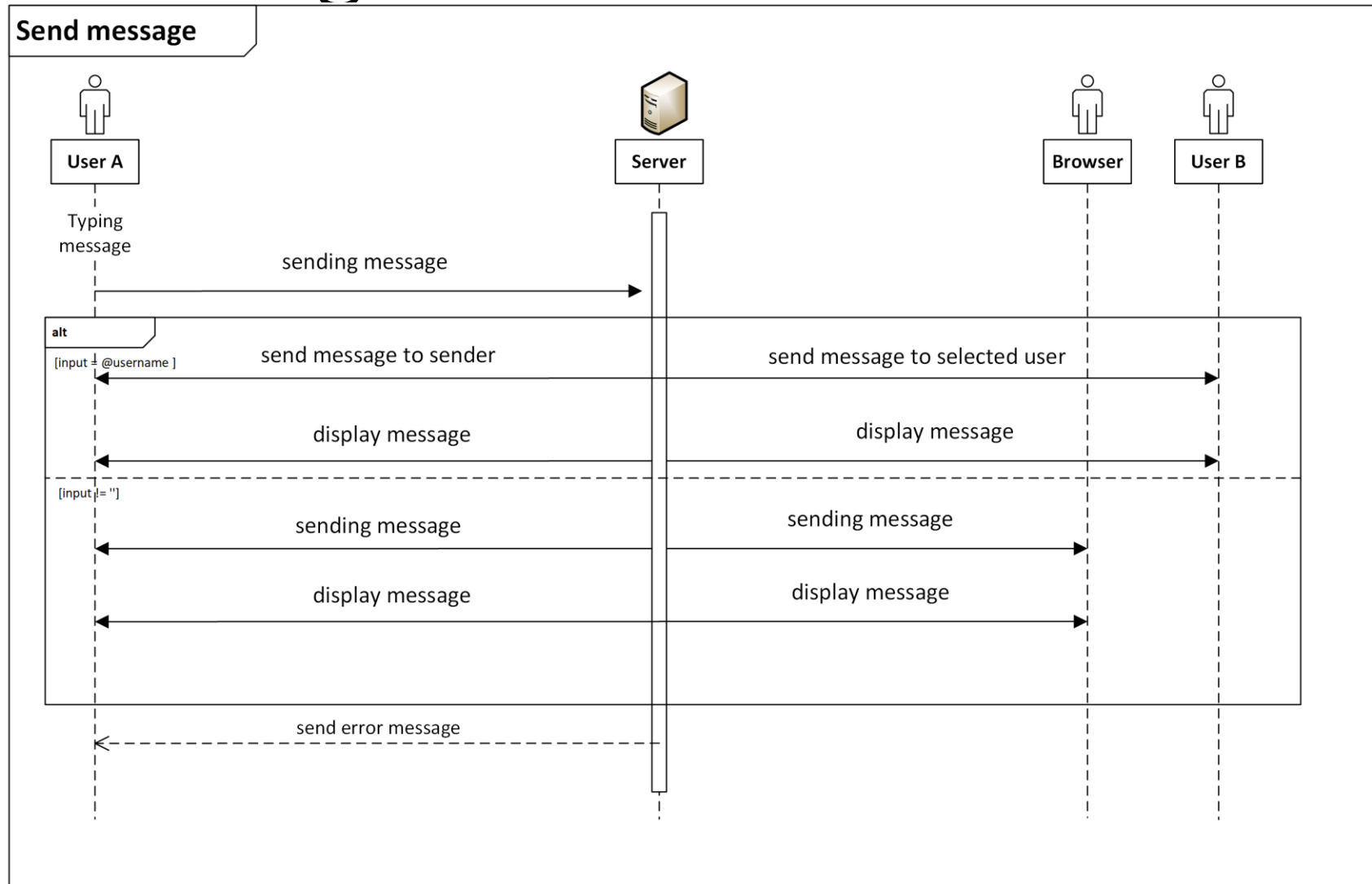# LabChat

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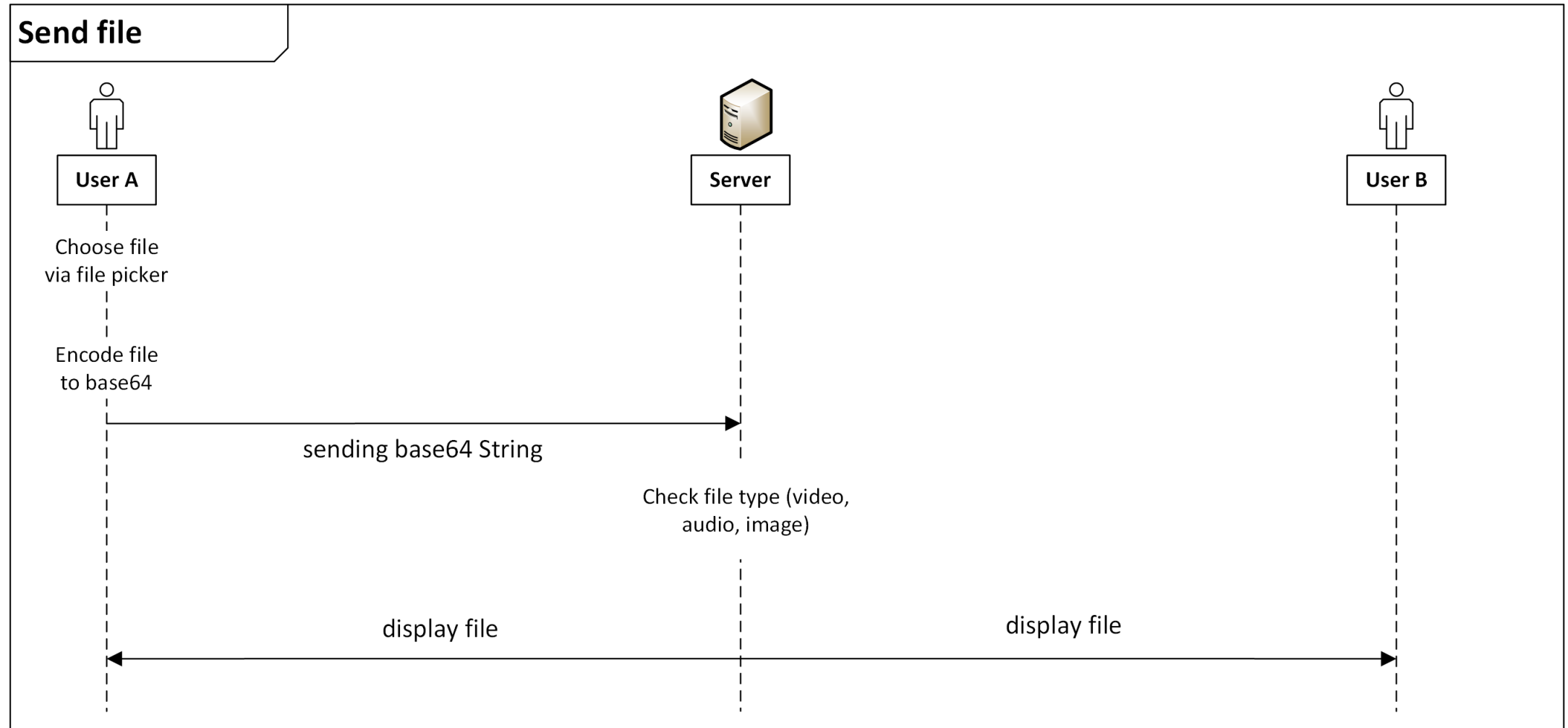
Agenda

- Sequence Diagram
- Component Diagram
- Mockups
- Lesson learnt
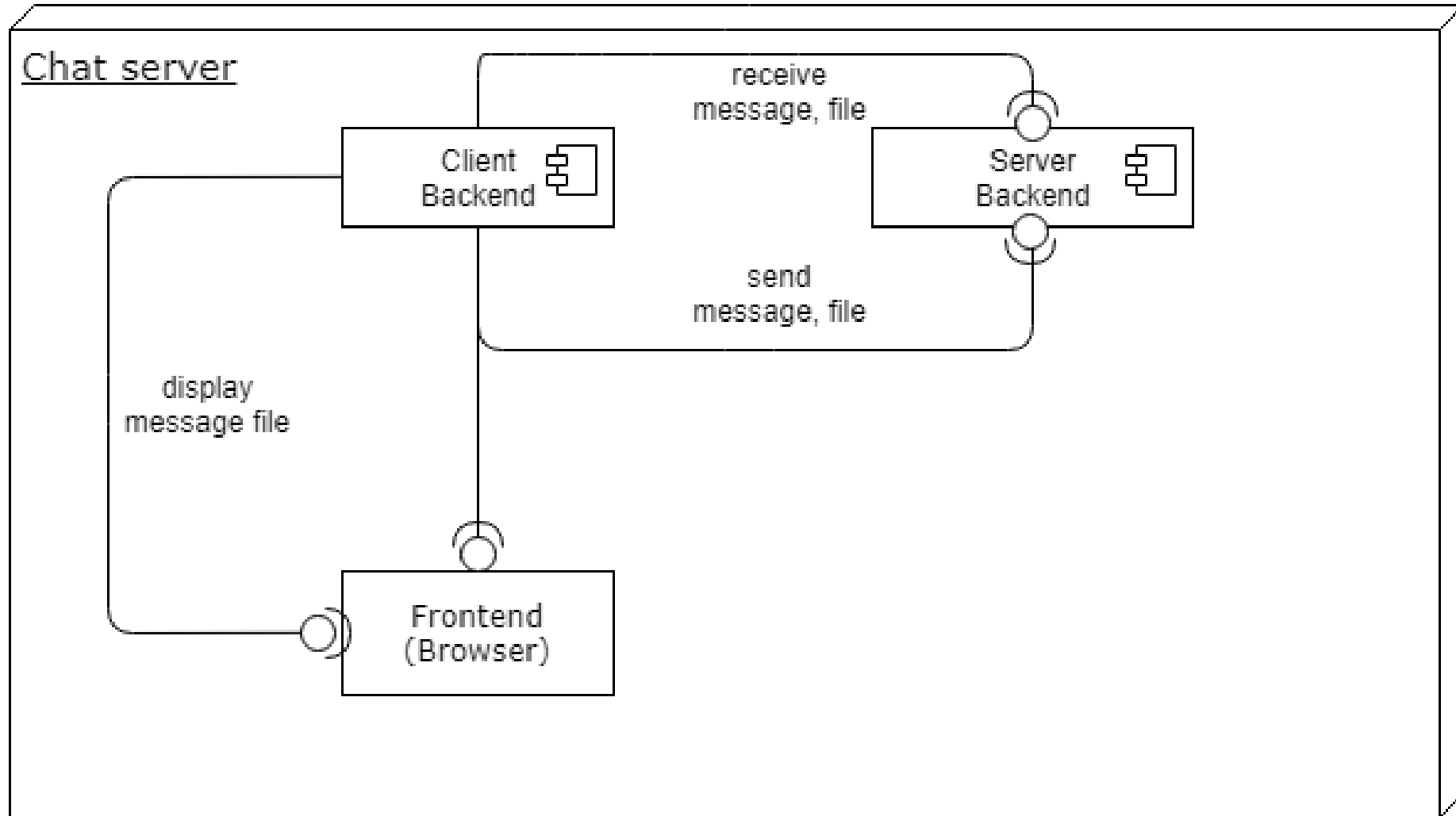- Node Modules, jQuery Plugins etc.
- Features
- Live Demo

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Sequence Diagram

Send message

User A	Server		Browser	User B

Typing message

sending message

alt

[input = @username]

send message to sender

send message to selected user

display message

display message

[input != ''']

sending message

sending message

display message

display message

send error message

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Sequence Diagram

Send file

User A   Server   User B

Choose file
via file picker

Encode file
to base64

sending base64 String

Check file type (video,
audio, image)

display file   display file

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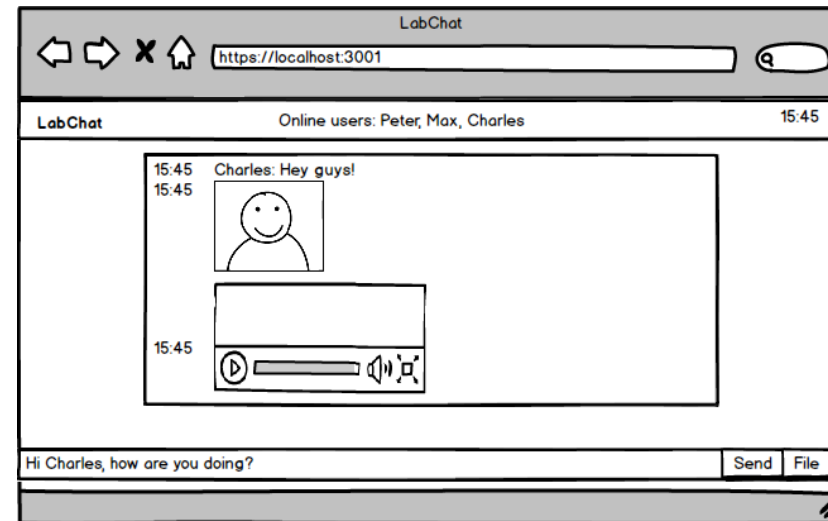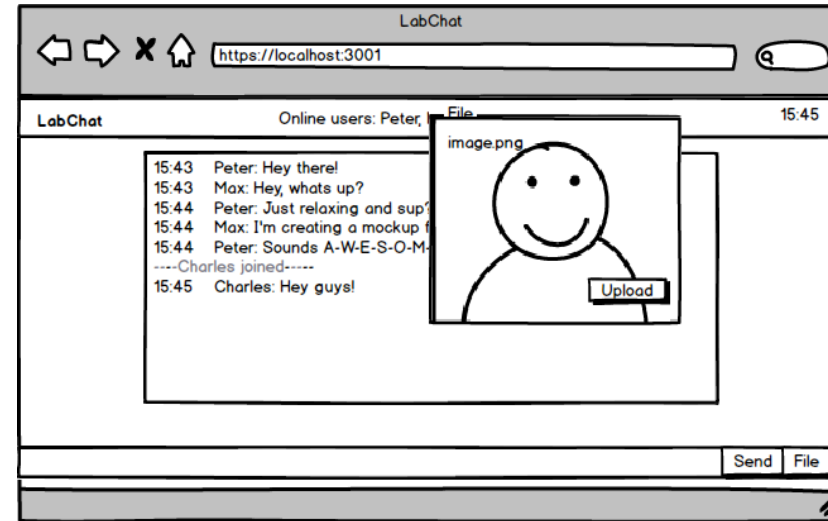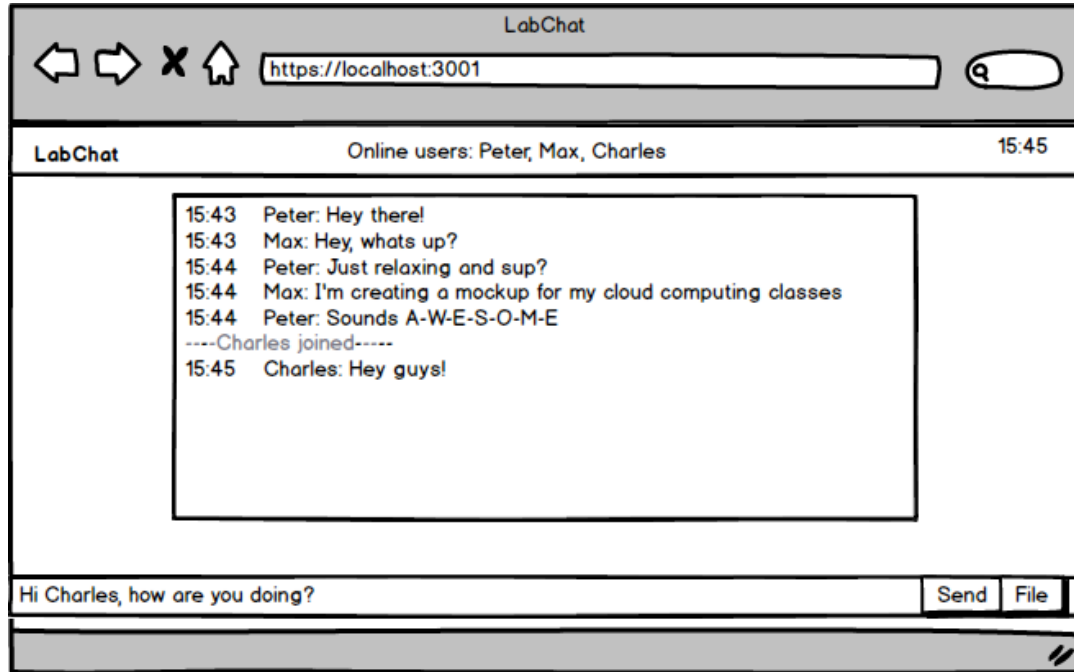# Component Diagram

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Lesson learnt

- Understanding the basics and functionalities of socket.io and express
  (sending information from the server to the client and back)
- Working with Nodejs, jQuery and Bootstrap
- Dealing with files and base64-encoding

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Mockups

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Node Modules

- express
  https://www.npmjs.com/package/express
- dateformat
  https://www.npmjs.com/package/dateformat
- fs
  https://nodejs.org/api/fs.html
- https
  https://nodejs.org/api/https.html
- socket.io
  https://socket.io

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Frameworks & jQuery Plugins

- Bootstrap
  https://getbootstrap.com/
- Fontawesome
  https://fontawesome.com/
- CSS Emoticons
  https://os.alfajango.com/css-emoticons/

Live Demo

https://localhost:3001

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