# Link-Up

James Liang, Amy Wang, Rita Wang and Cindy Yin

Project overview

The problem:
Planning among peers can be difficult. Many issues can occur such as overload of information and conflict of schedule.

The goal:
Create an organized system to streamline planning between friends and family.

The product:
Link-Up is an application that assist with planning casual meet up between friends and family.

Project duration:
Jan13 (9:00 PM) - Jan 15 (9:00 AM)
36 Hours

Understanding the user

- Inspiration
- User pain points
- Setting functions for users

User research: pain points

1

Pain point

Nothing ever goes to plan due to schedule conflict

2

Pain point

No clarity of time,date and location

3

Pain point

Keeping track of everyone's schedule can be daunting

4

Pain point

There is not enough time for a plan to form

Create a web app that could streamline the planning process for meet ups. This will be achieved by uploading everyone's google calendar to the system to calculate the free space between schedules. From then the organizer can select the free time slot and input the rest of the event details.

Starting the design

- Wireframes
- Low-fidelity prototype

Link-Up: Functions

Upload File


```
<div class="main">
  <div class="main__container">
    <div class="main__content">
      <h1>TECH SECTION</h1>
      <p>Check out our technologies</p>
      <!-- <button class="main__btn"><a href="#">Get Started</a></button> -->
      <input onchange="getFiles()" id="fileinput" type="file" class="customfile" accept=".ics" multiple>
```

Link-Up: Functions

Parsing Files

```javascript
function getFiles() {
    var currentTarget = document.getElementById("fileinput");
    let files = currentTarget.files;
    let readers = [];
    // Abort if there were no files selected
    if(!files.length) return;
    // Store promises in array
    for(let i = 0;i < files.length;i++){
      readers.push(readFileAsText(files[i]));
    }
    // Trigger Promises
    Promise.all(readers).then((values) => {
      // Values will be an array that contains an item
      // with the text of every selected file
      // ["File1 Content", "File2 Content" ... "FileN Content"]
      for (var i in values) {
        fileToArray(values[i]);
      }
    });
  }
```

```javascript
function readFileAsText(file){
    return new Promise(function(resolve,reject){
        let fr = new FileReader();
        fr.onload = function(){
            resolve(fr.result);
        };
        fr.onerror = function(){
            reject(fr);
        };
        fr.readAsText(file);
    });
  }
```

```javascript
function fileToArray(input) {
    var inputArray = input.split("\n");
    for (var i in inputArray) {
        if (inputArray[i].includes("DTEND;")) {
            // format YYYYMMDD
            var eventDate = String(/[2]\d\d\d\d\d\d\d/.exec(inputArray[i]));
            // format HHMMSS
            var endTime = String(/\d\d\d\d\d\d/.exec(/[T]\d\d\d\d\d\d/.exec(inputArray[i])));
        }
        else if (inputArray[i].includes("DTSTART;")) {
            // format HHMMSS
            var beginTime = String(/\d\d\d\d\d\d/.exec(/[T]\d\d\d\d\d\d/.exec(inputArray[i])));
            eventArray.push([eventDate, beginTime, endTime]);
        }
    }
    // remove duplicates
    eventArray = multiDimensionalUnique(eventArray);
    eventArray = eventArray.sort();
    console.log(eventArray);
    // remove overlapping events
    removeOverlap(eventArray);
}
```

Link-Up: Functions

Calculations and Downloading

```javascript
function findAvailability(inputArray) {
    calendar.removeAllEvents();
    for (var i in inputArray) {
        let year = inputArray[i][0].substring(0,4);
        let month = inputArray[i][0].substring(4,6);
        let day = inputArray[i][0].substring(6,8);
        let beginTime = inputArray[i][1].replace(/..\B/g, '$&:');
        let endTime = inputArray[i][2].replace(/..\B/g, '$&:');
        let beginEvent = year + "-" + month + "-" + day + "T" + beginTime;
        let endEvent = year + "-" + month + "-" + day + "T" + endTime;
        console.log(beginEvent);
        console.log(endEvent);
        newEvent(beginEvent, endEvent);
    }
}
```
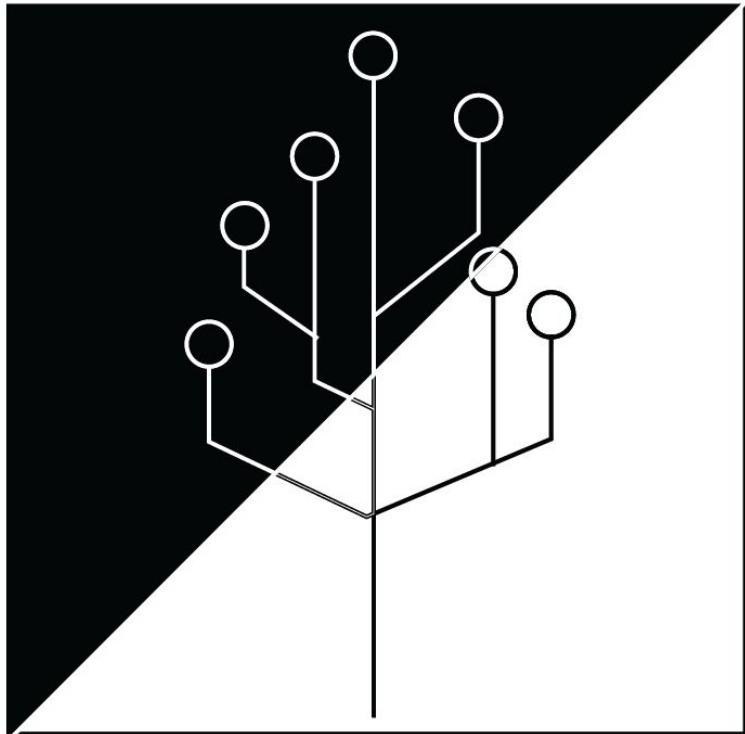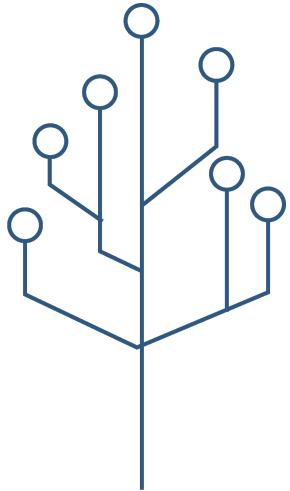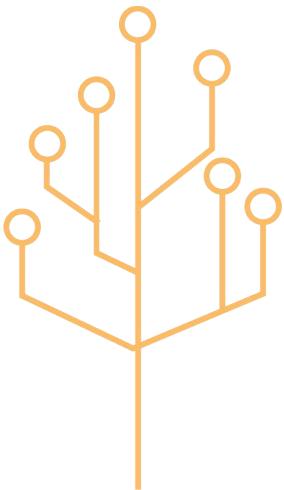
```javascript
function newEvent(beginTime, endTime) {

    // create break events
    calendar.addEvent({
        title: 'Unavailable',
        start: beginTime,
        end: endTime,
        allDay: false
    });
}
```
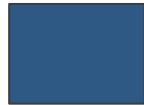
```javascript
function downloadPlan() {
    var beginDate = document.getElementById("beginDate").value;
    var beginTime = document.getElementById("beginTime").value;
    var endDate = document.getElementById("endDate").value;
    var endTime = document.getElementById("endTime").value;
    var eventTitle = document.getElementById("eventTitle").value;
    var eventLocation = document.getElementById("location").value;
    fileOutput = fileOutput + "\n" + ("BEGIN:VEVENT");
    fileOutput = fileOutput + "\n" + (`DTSTART;TZID=America/Toronto:${beginDate.replace(/-/g,'')}T${beginTime.replace(':','')}00`);
    fileOutput = fileOutput + "\n" + (`DTEND;TZID=America/Toronto:${endDate.replace(/-/g,'')}T${endTime.replace(':','')}00`);
    fileOutput = fileOutput + "\n" + (`SUMMARY:${eventTitle}`);
    fileOutput = fileOutput + "\n" + (`LOCATION:${eventLocation}`)
    fileOutput = fileOutput + "\n" + ("END:VEVENT");
    fileOutput = fileOutput + "\n" + ending;
    download('trip_plan.ics', fileOutput);
}
```

Design: Logo

- link: a modern day slang for casual meet ups

- The logo is both tree like and a circuit like

- The logo represents using technology to hang out

Design: Color Scheme, Icons

#2e5984ff
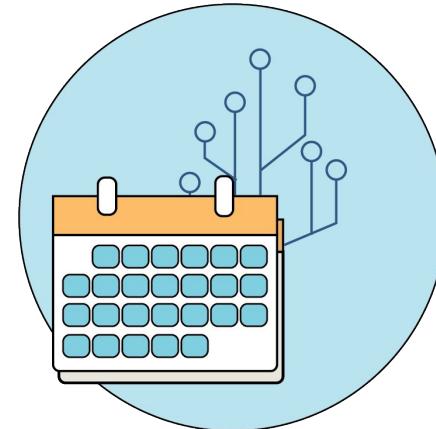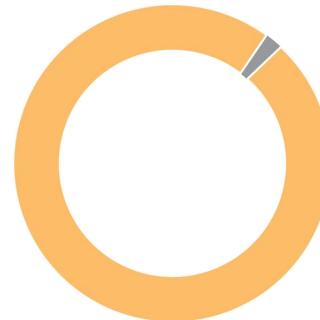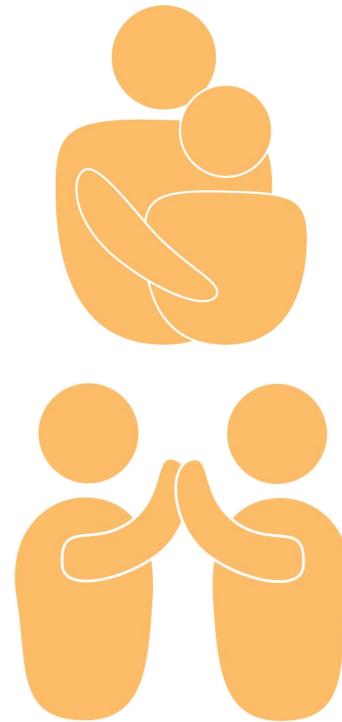
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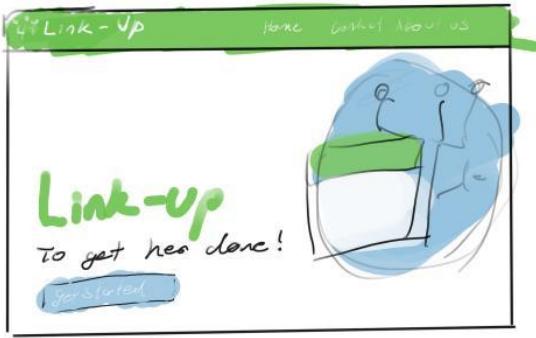
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Wireframes
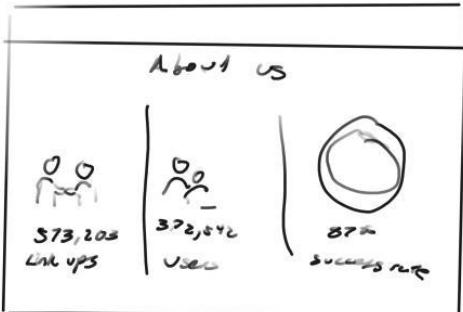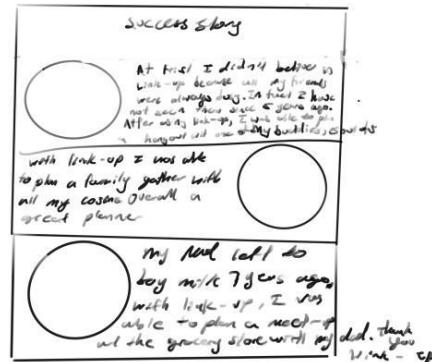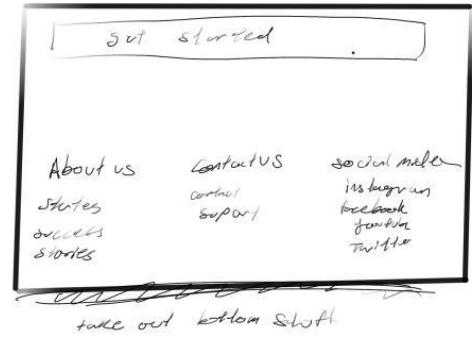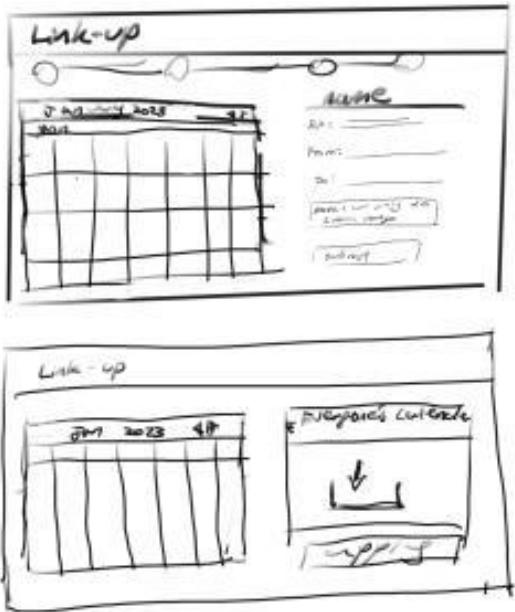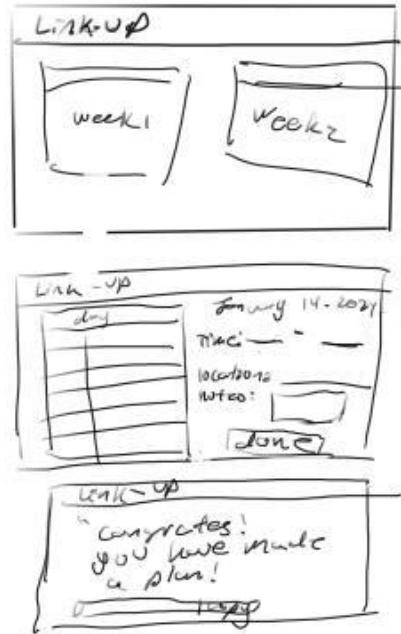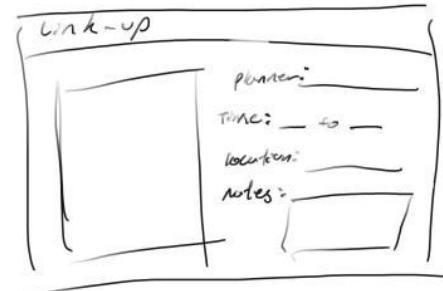
Wireframes

Planning: Part 1

Planning: Part 2

Event Display
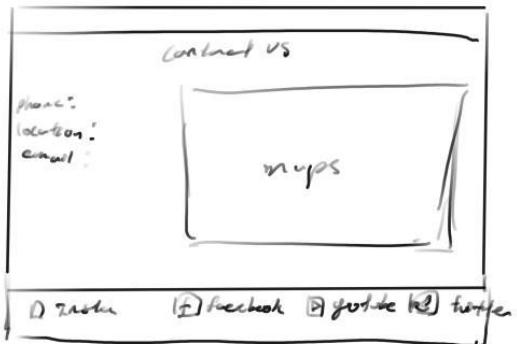
Calendar

Wireframes

Contact us
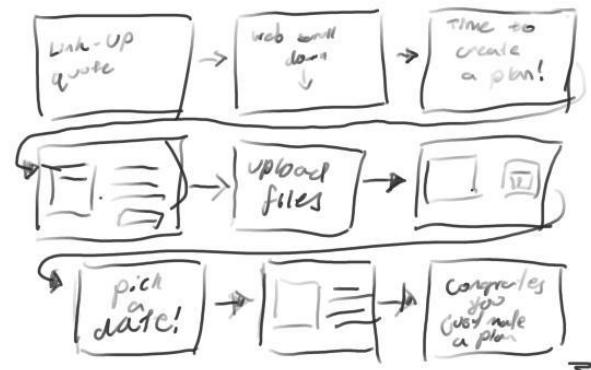
Sign Up

Video Storyboard

Video/Website

https://link-upt.netlify.app/

Going forward

- Takeaways
- Next steps

Takeaways/Next Step

What I learned:

- Coordination between code and design is really important
- Time management
- Team
- Communication

What I will do next:

- Adding 'voting' feature to the website. Enable people to vote for the place, activity… they want do together.
- Include an optional sign up function
- More time management and communication

Thank you