

# Team Burger Crushers

Team 2075

Dylan Griffin, Henry Cobb, Cory Flynn, Julia Rubtsov, Tracy Kleekamp

## Application Name:

Ski Lift

## Application Description:

This product will allow skiers and snowboarders to ask for/offer rides to/from other local skiing enthusiasts. Drivers will have the option to offer rides for free or for a moderate fee. The main purpose of the app is to create a cheaper Uber-esque service that allows skiers to get to their favorite local resorts for less or no cost.

The app will also include some pages of basic, constantly updated information, including weather and snow coverage at local resorts. This way, skiers will only need to go to one place for all their skiing information and transportation needs.

The app will be marketed towards college students, who are likely to share rides with their peers and also more likely to need or want cheap transportation to their favorite skiing destinations. The app will focus on simplicity and useability, with just a few easy to use and highly useful features.

## Vision Statement:

Ski Lift is a ride sharing app with the goal of helping college students who love to ski/board get to the slopes easier. Users can link up with fellow skiers to grab rides to the best local ski resorts, for an easy, low-cost alternative to traditional travel.

## Version Control:

Team Meeting Logs: <https://github.com/henrycobb/BurgerCrushersMeetingLog>

Milestone Submissions: <https://github.com/henrycobb/BurgerCrushersMilestones>

All Project Code/Components: <https://github.com/dygr/BurgerCrushersProject>

### Development Method:

We will use a waterfall based development plan, first fully fleshing out our requirements and what tools we will need to achieve them, followed by creating a full outline/design of the app. We will then divide up and work on all the project coding, and then finally test and fix bugs in the app, which will give us our final deliverable product.

### Communication Plan:

Our team will communicate primarily through a Slack workspace, as well as updates in person during our weekly meetings.

### Proposed Architecture Plan:

Backend - Language/Framework: Java, Python, PHP, Perl, Node.js

Web Servers: Apache, NCINX

Database Management Systems: MySQL, MongoDB

Local Development Environment: XAMPP, WampServer, MAMP

Frontend - Web Development: HTML, CSS, Javascript, React

Specific APIs: MyWeather2.com Ski Resort Snow Report and Weather Forecast API

How they Communicate:

What technology is responsible for what: Our frontend framework, namely HTML, CSS and Javascript, will be responsible for user interaction and communication. Our application will require several user inputs and these tools will allow for simple information to be delivered to the backend. Backend will include saving user inputs and specific mapping structures allowing seamless navigation while the application is in use.

### Meeting Plan:

Our team has agreed to meet every Thursday from 9:00 - 11:00 AM face-to-face in the Engineering Center.