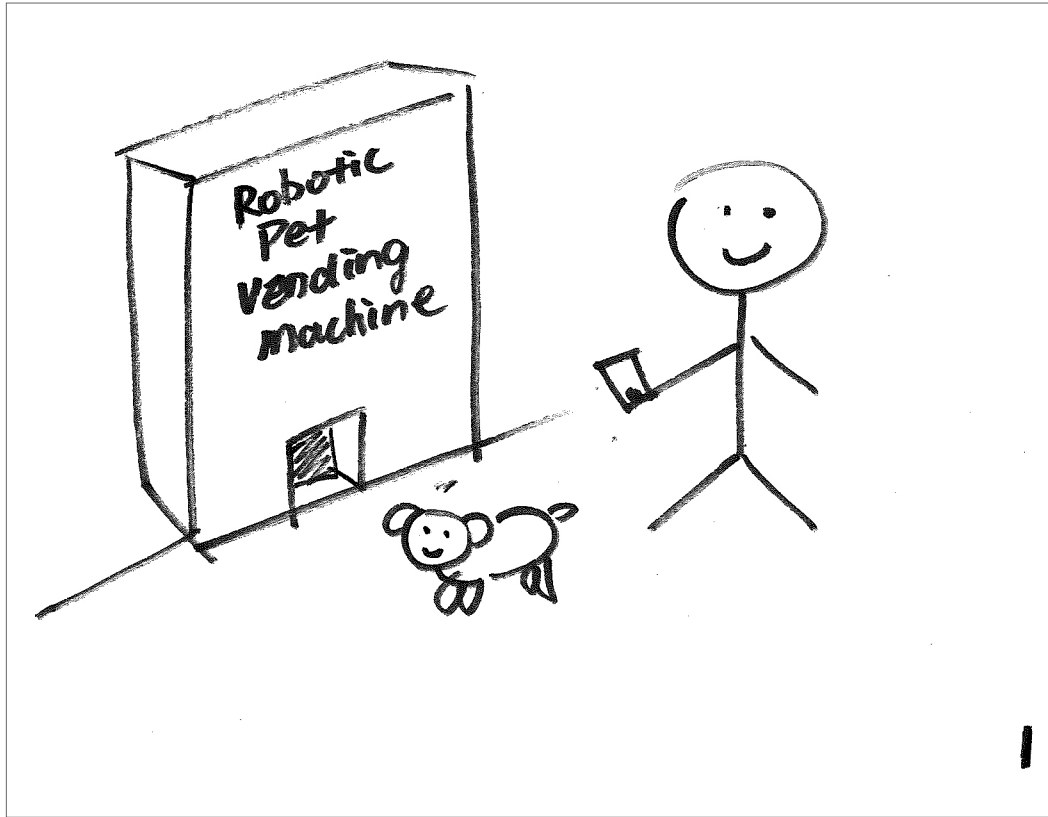


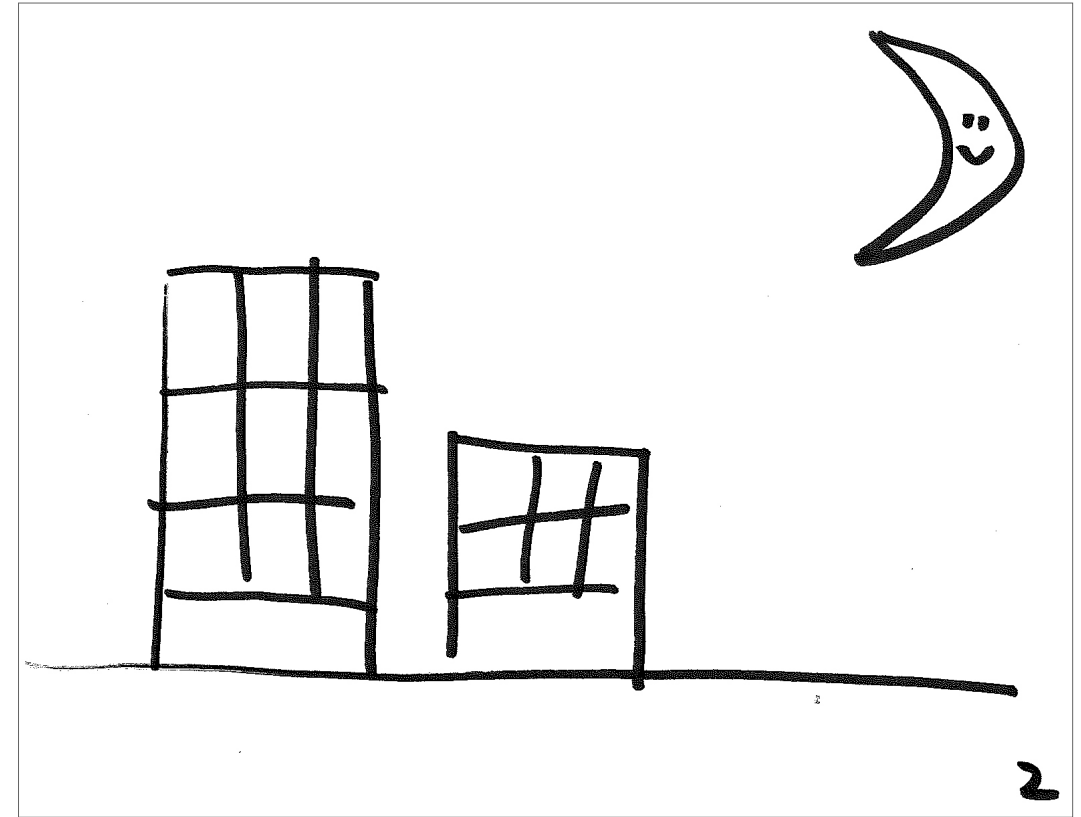
# Response Suite

**Team Leschi**



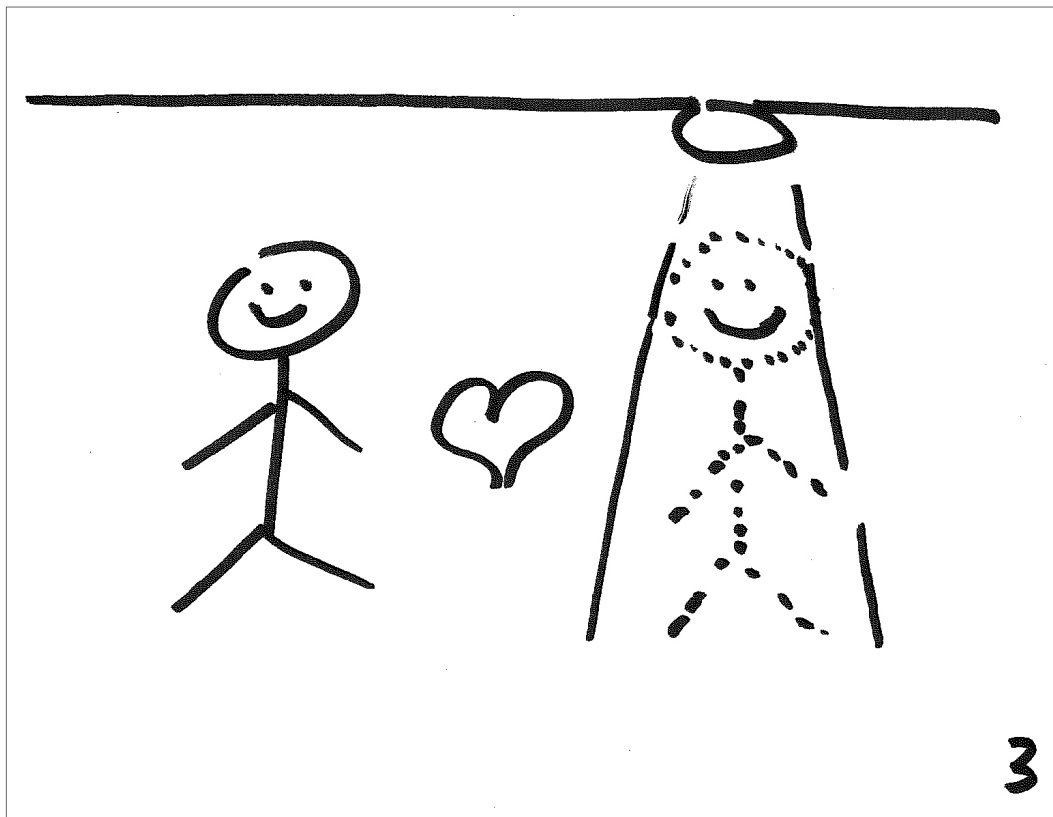
## Robotic pet vending machine

Placed in a transportation hub. Sells robotic pets. Reduces the social isolation of shift work by giving them a low-maintenance but emotionally satisfying alternative to a real pet, or a real friend. Option: Pet walks itself back to the origin machine, to be loved again.



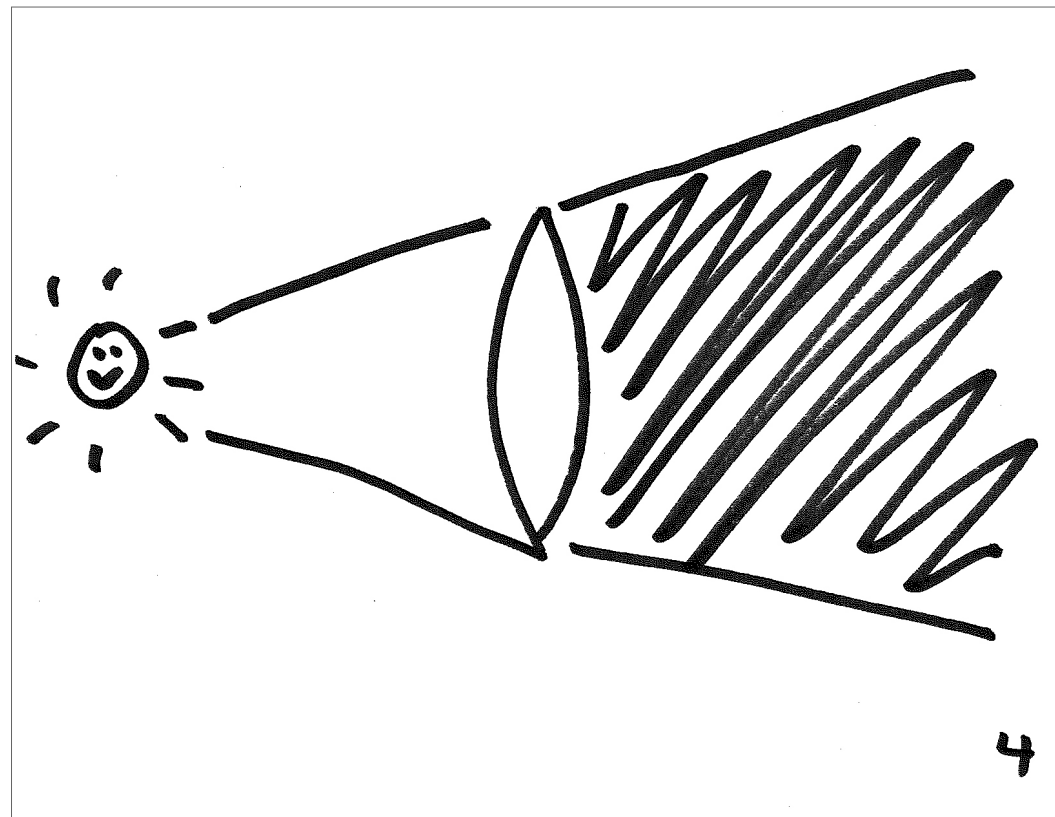
## City that only works night shifts

For certain types of shift work that don't require the work to be done in a certain place, e.g. IT support, 9-1-1 lines. Having everyone in the city work the same hours solves many of the socially isolating aspects of shift work: stores will open around the common work schedule, relationships don't have to compromise on a date and hangout times, meetups with friends can be set up easily knowing most people in town have the same schedule.



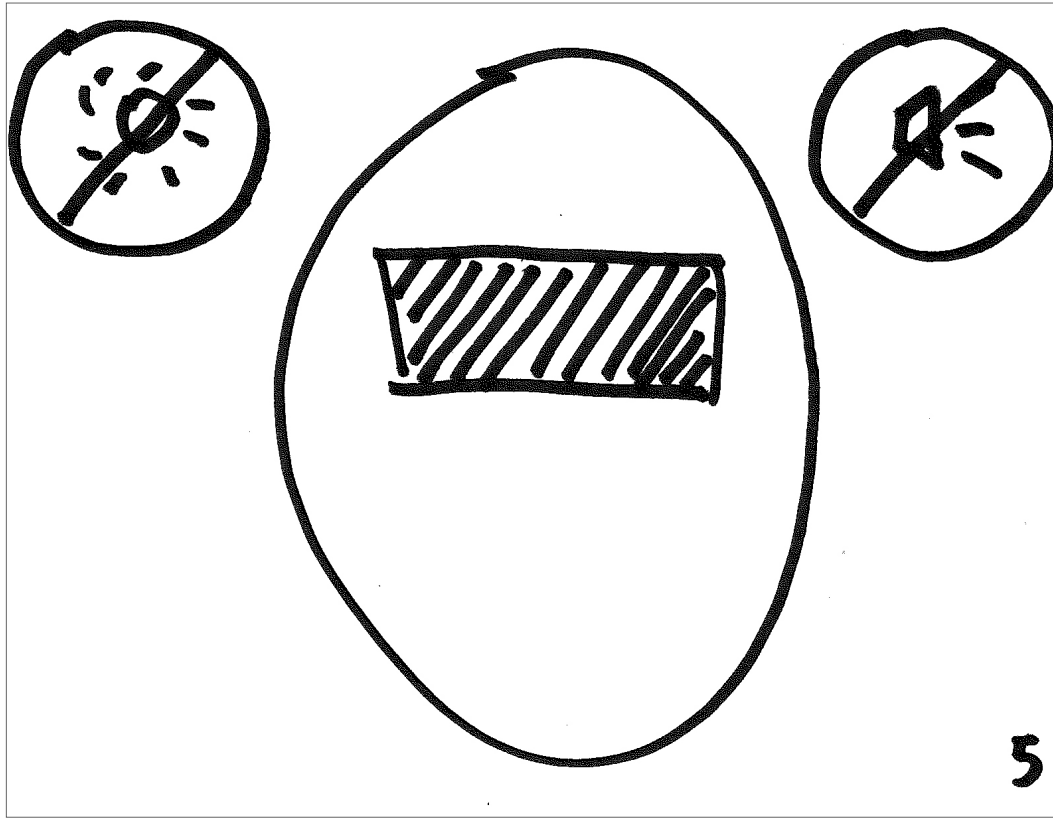
## VR Spouse

Similar to Join in Blade Runner 2049. Impossible to set up dates with non-shift workers? Your VR wife never sleeps, so she can hang out with you when you get off of work at 6 a.m. Plus she never complains that you're exhausted all the time and that the sleep deprivation makes you really snappy.



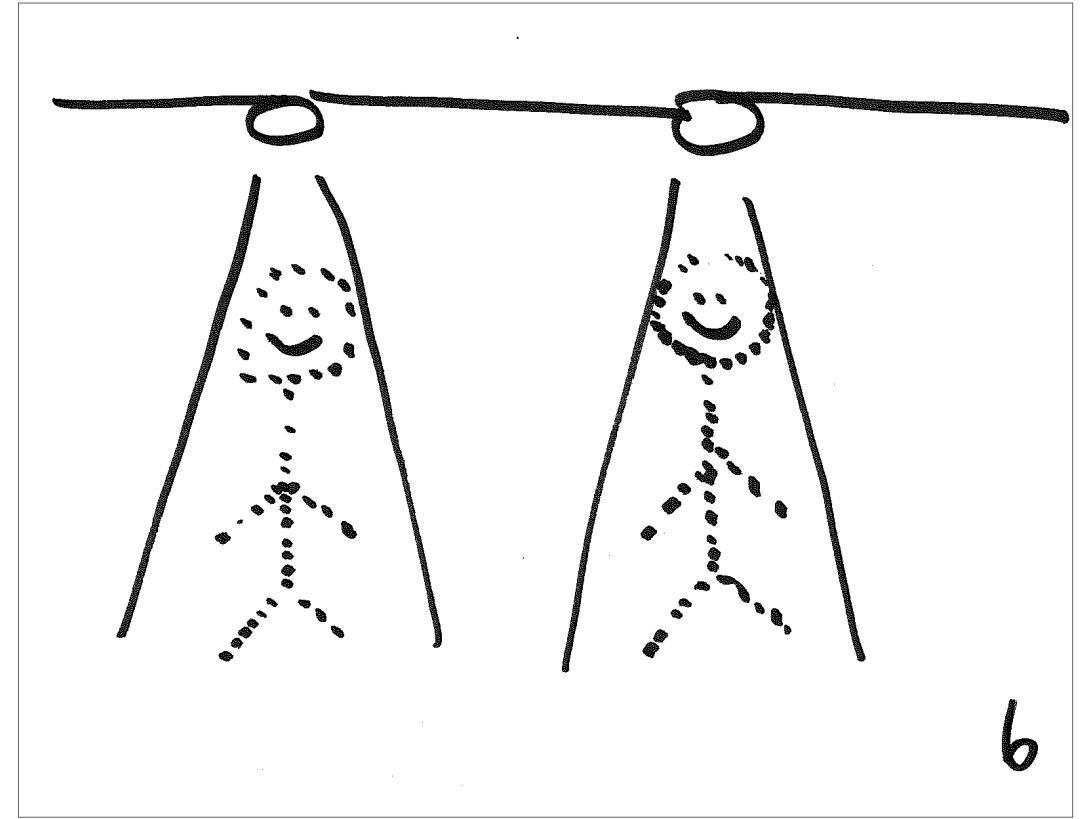
## Light-blocking contacts

Atypical hour workers often have trouble sleeping because of blue light exposure during the morning commute home. These contacts block blue light, calming the brain and allowing you to fall asleep more easily when you get home in the morning.



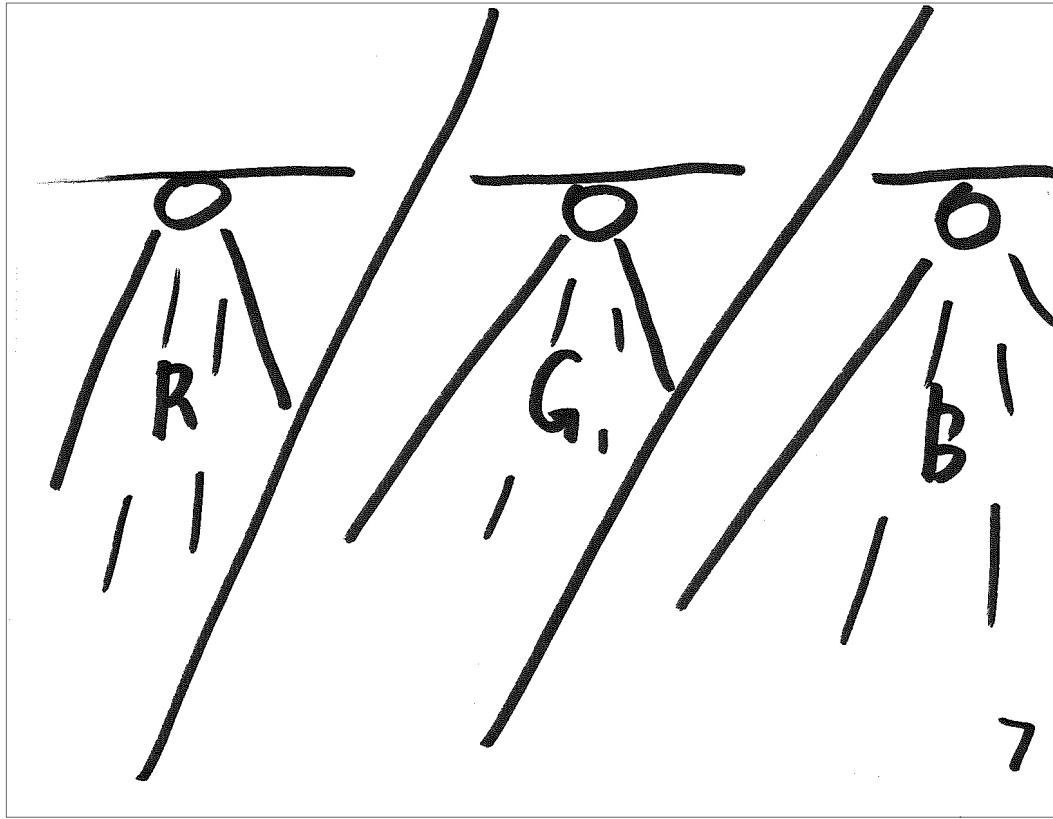
## Night shift headpiece

Atypical hour workers often have trouble sleeping because of light and sound from those pesky diurnal humans. These helmets, designed to be comfortably worn day and night, block light and sound to ensure a peaceful night's sleep



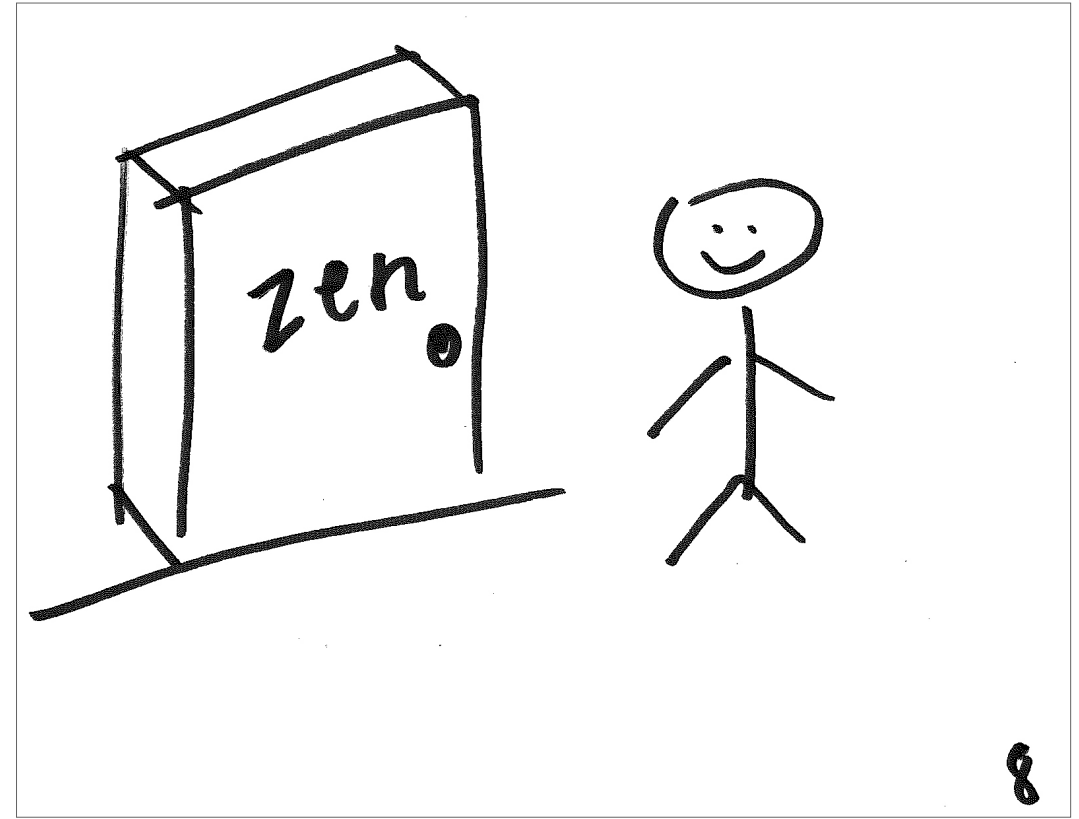
## Holographic video chat

Atypical workers have difficulty maintaining relationships with 9-to-5ers because they have different free time schedules. They may also have difficulty forming social groups with each other: only 10-15% of the population works atypical shifts, so they may be geographically isolated. Holographic video chat makes it easier for these people to make friends with people who don't live close to them.



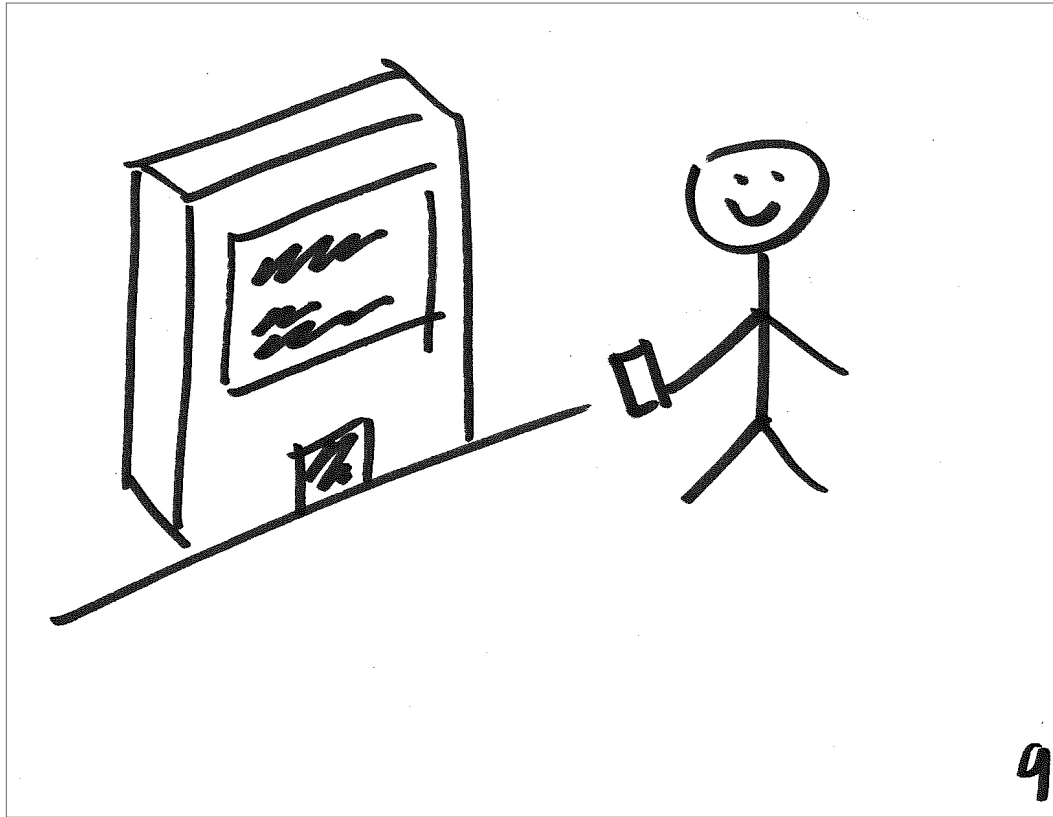
## RGB room lighting

Another solution for blue light exposure. These lights would be connected to your smart home and ceiling lights, which based on your sleep schedule changes the intensity and color of light. In the future, the light color could also change based on your mood.



## Meditation phone booth

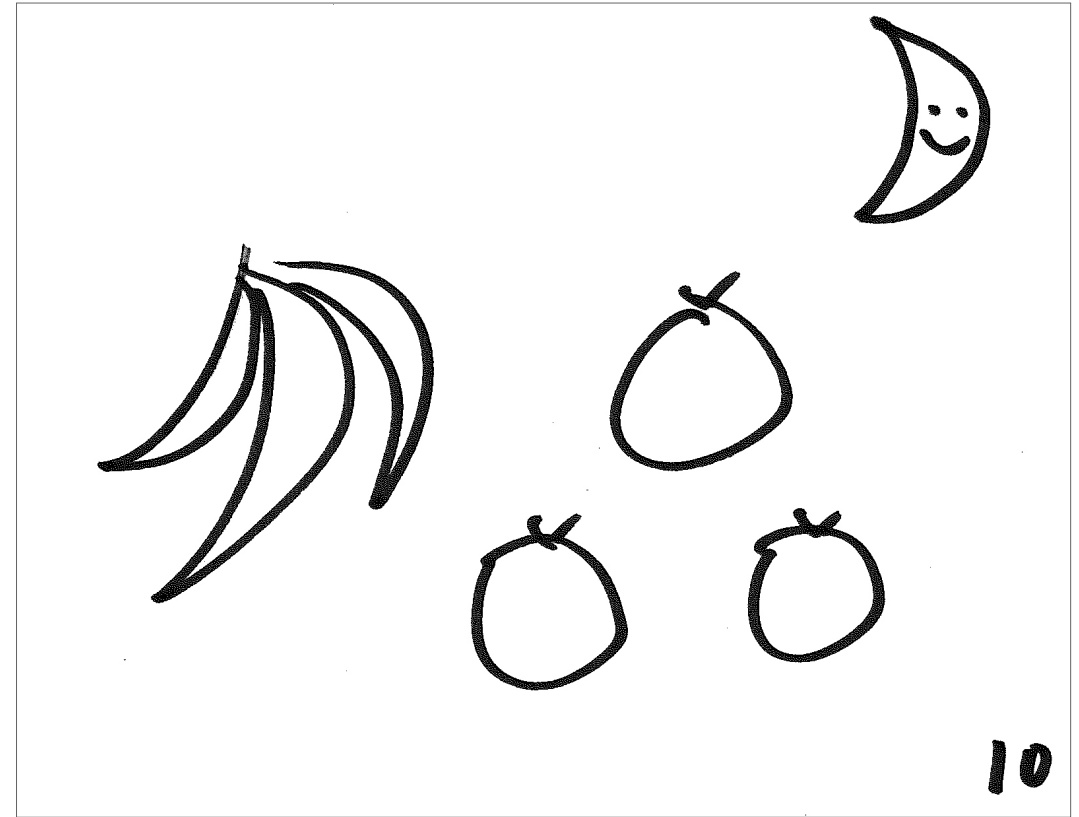
For installation near shift worker transportation hubs. The displays and lighting inside the booth are designed for the perfect 5-10 minute mid-commute meditation session. The booth also knows the bus schedule and stops your meditation when your bus comes.



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### Arcade machine with small gifts

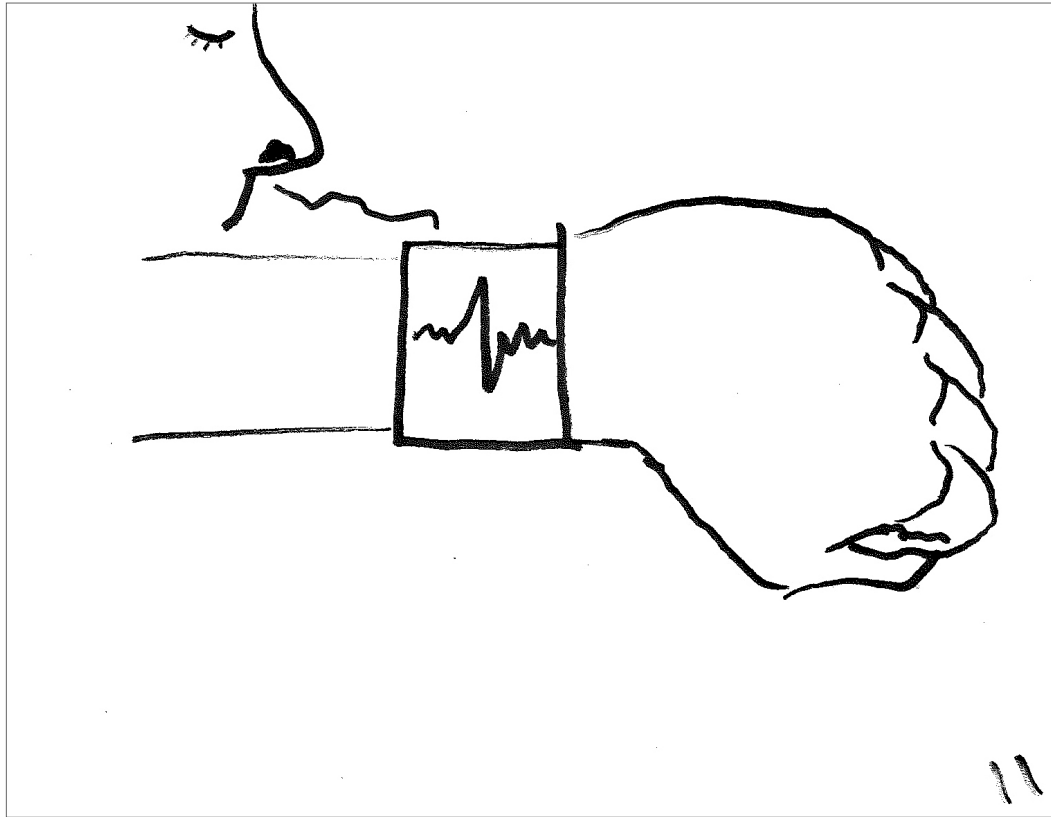
Play a quick game (quiz, arcade, shooter, etc.) and receive a mood-boosting reward. Rewards could include happy facts, instructions for mood improvement, or free wifi.



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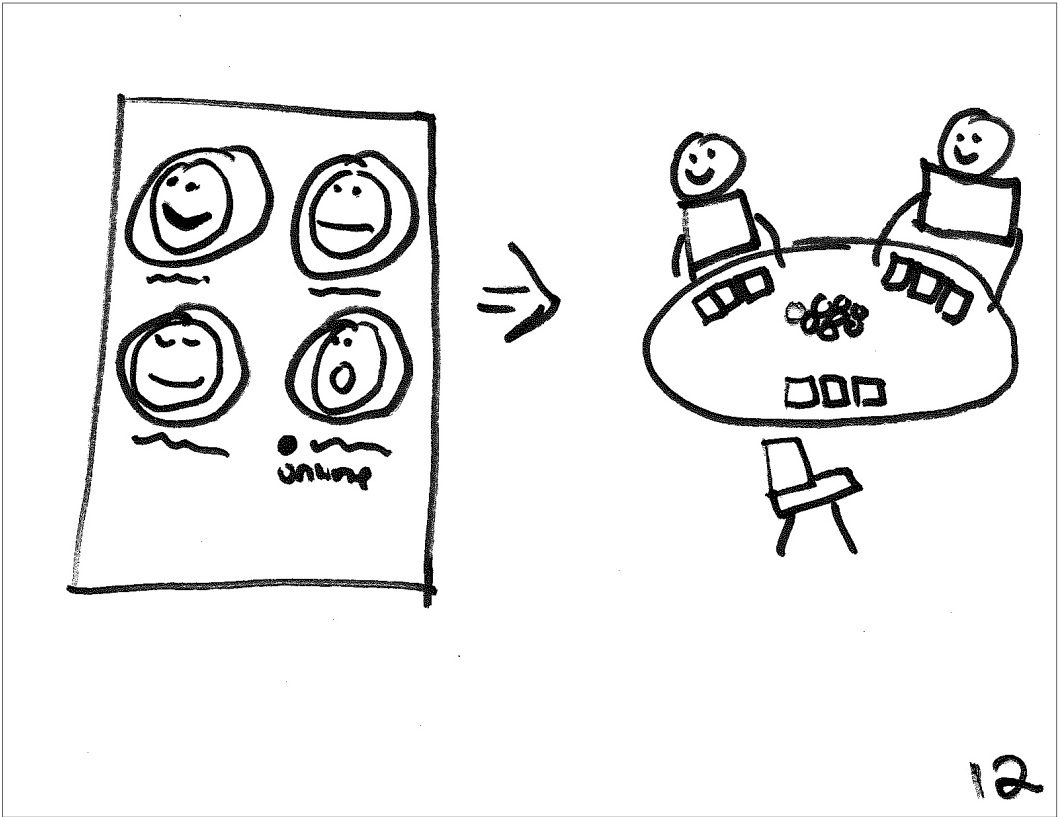
### Late night fresh food delivery

Atypical hour workers often have poor eating habits, partially because of lack of access to healthy foods. This service delivers groceries late at night, making it easier for shift workers to access fresh foods.



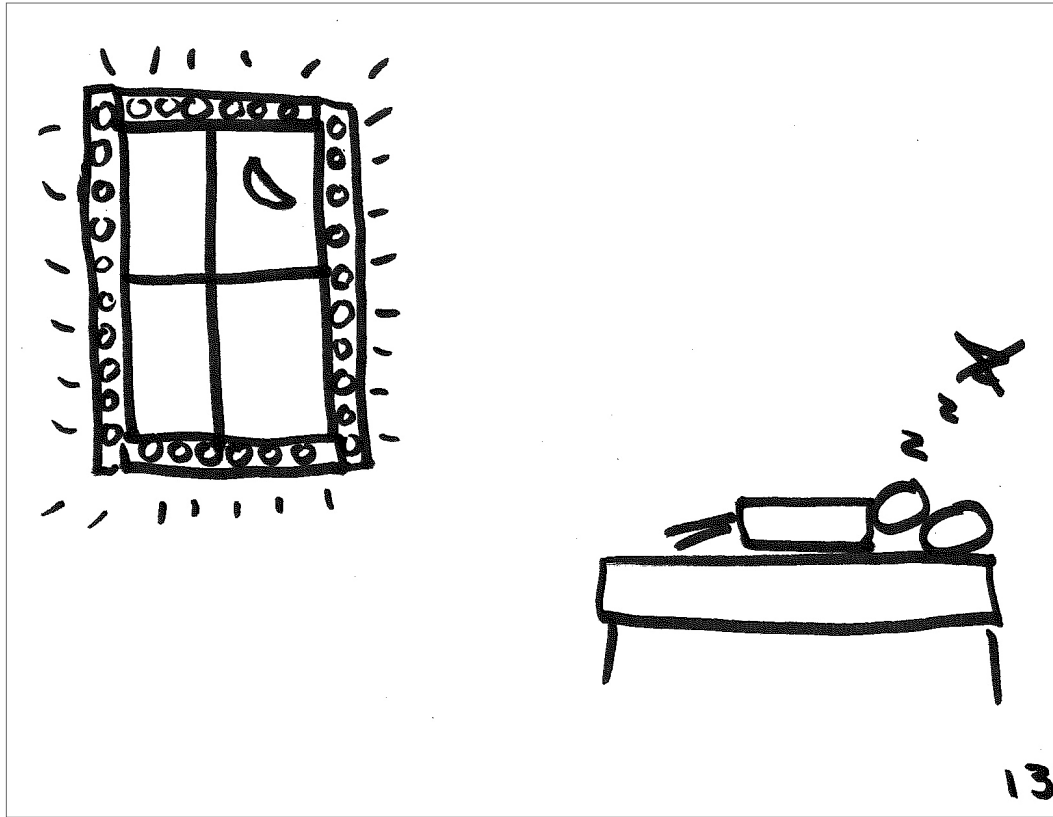
### Calming Scent Release

A wearable sensor, such as Apple Watch, measures normal levels of heart rate and perspiration. If these levels rise, the device can conclude that the wearer is under stress and will release a user-chosen calming scent. Available in many scents, including Lavender, Rosemary, and Peppermint. Available as Watch attachment or Scarf.



### NightConnect

A social media network. On-boarding inputs include Name, Age, Interests, Location, and Work Hours. A minimalist interface where users can see who is online to chat at any time, and find groups with similar interests. Fosters a culture of meeting “in real life” with other atypically-scheduled activity and commute partners.



## Simulated Circadian Cycle

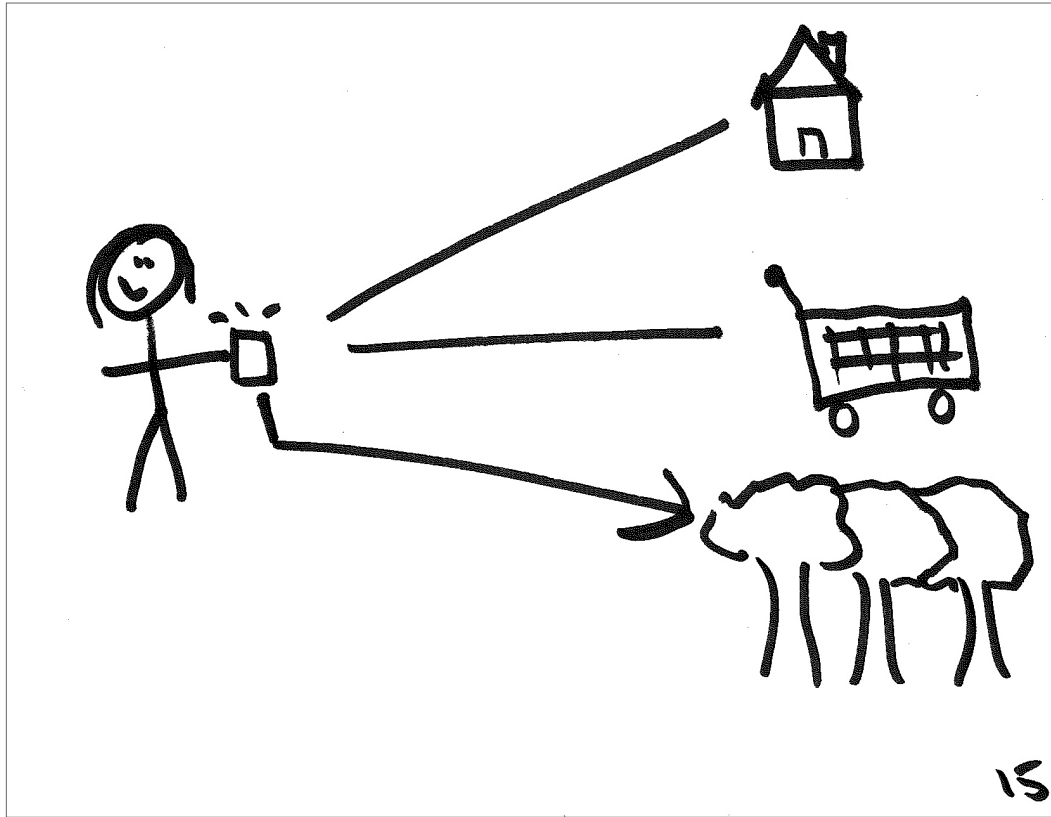
Natural Spectrum light strips for bedroom installation. Programmable to create a simulated sunrise and daytime according to your personal work hours. Results in more satisfying sleep and increased health and energy.



## Noise-Blocking Curtains

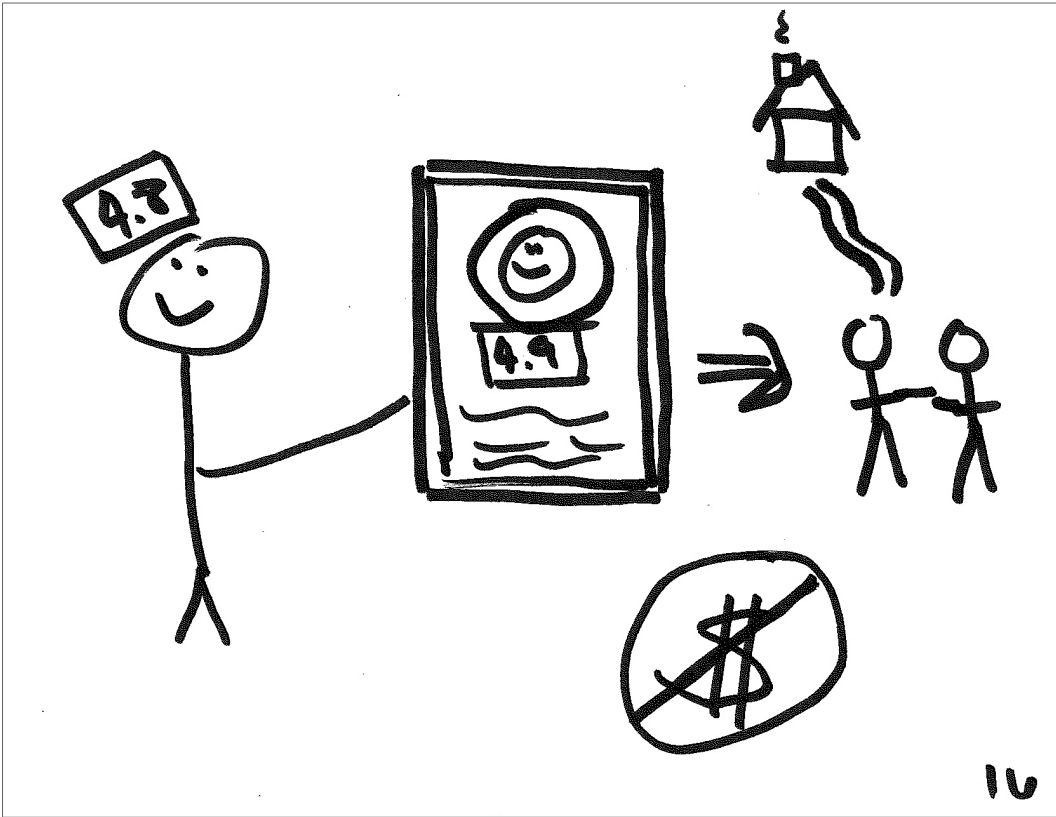
Cheaper, more versatile, and more eco-friendly than traditional white-noise machines. Increases sleep quality by blocking noise from roommates and environmental disturbances, or to cover your own noise from activities that don't fit into a normal schedule. Feel free to watch that movie on surround sound when you get home from work... at 6 am!





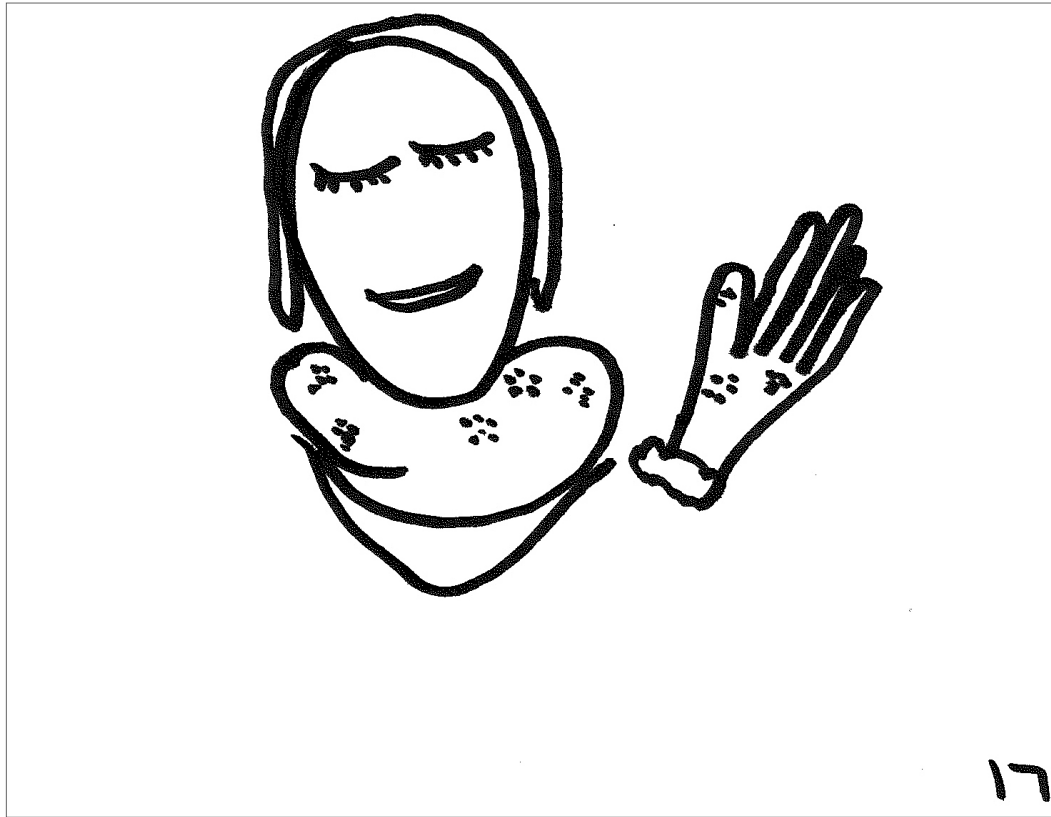
## Beyond Typical Data Initiative

Collect one month's worth of data from volunteers who work atypical hours. Use the data to identify transportation and congregation hubs across an average 24-hour period. Use as research towards other projects, such as planting more trees in these areas to encourage relaxation.



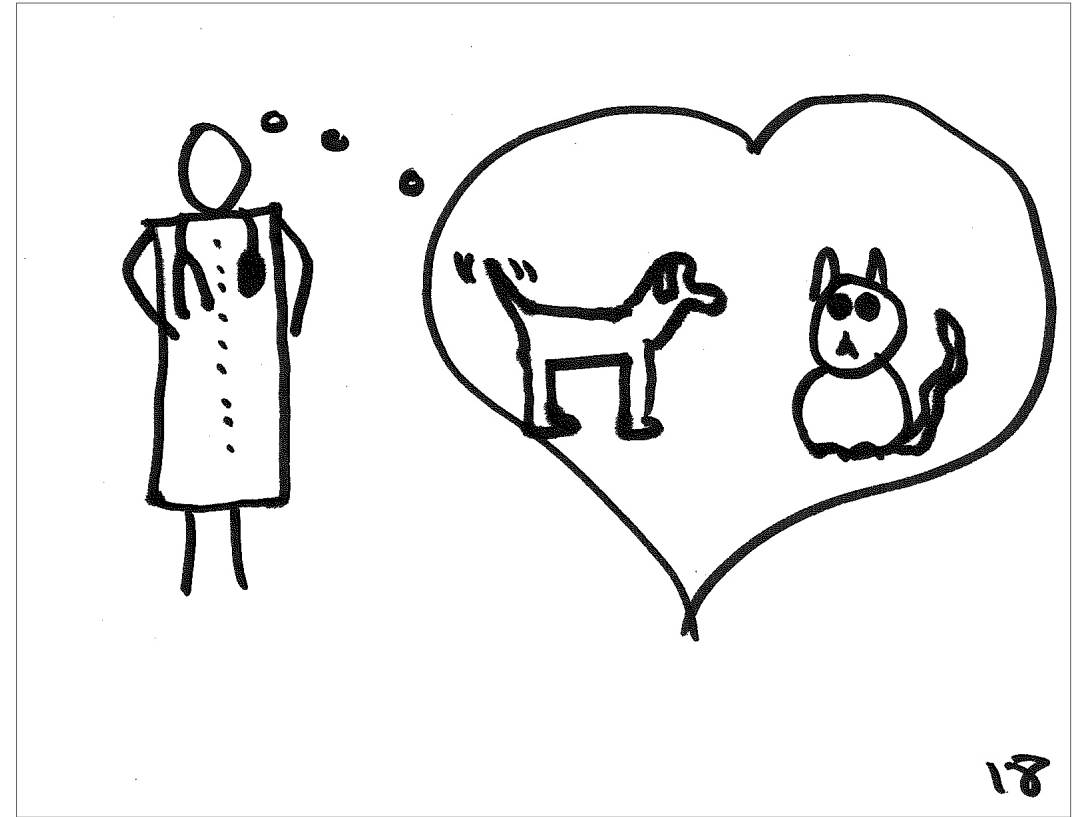
## WalkEscort

Night shift workers often walk home alone, putting their safety at risk. This app functions similarly to ride-sharing services, but instead calls peers to share a walk home. Members rate each other, ensuring security. Because night-workers often have lower salaries, this service will function on a co-op model: users can operate as “riders” or “drivers,” drivers are awarded “points” which they can spend in the future as a rider.



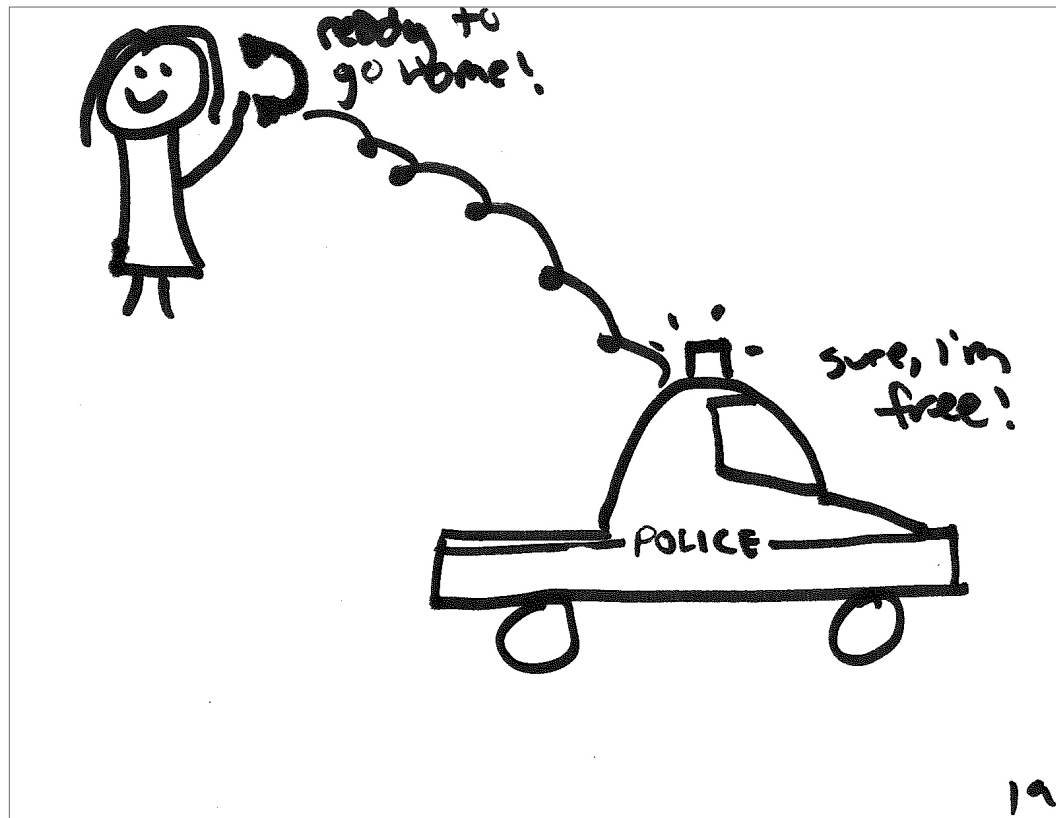
## Massage Scarf

A scarf or gloves with small motors sewn in above pressure points on the neck, shoulders, arms, and hands. Provides a massage on-the-go to relieve tension from a long night at work.



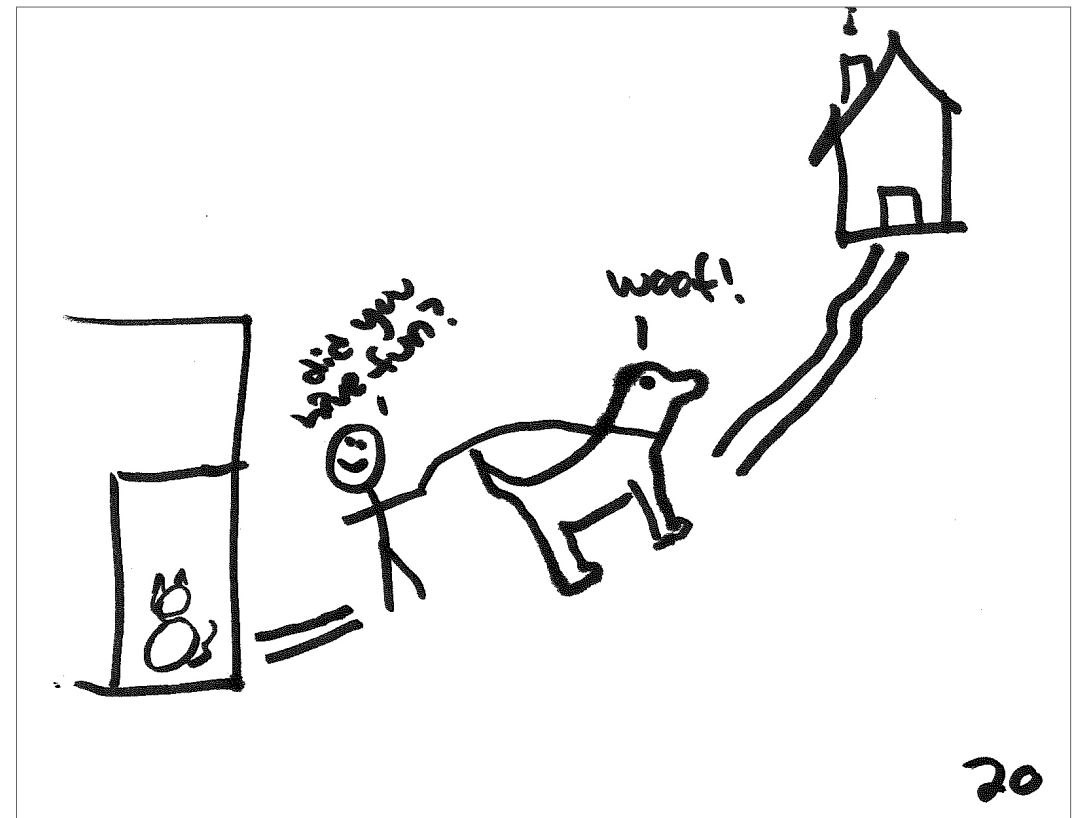
## Stray Socialization Program

Accessing a network of veterinarian volunteers who administer booster shots to stray animals in the city. Also includes light training and socialization. Creates a city of friendly and clean animals that are free to be enjoyed by human city-dwellers that experience benefits such as companionship and relaxation without the commitment. Philanthropically funded.



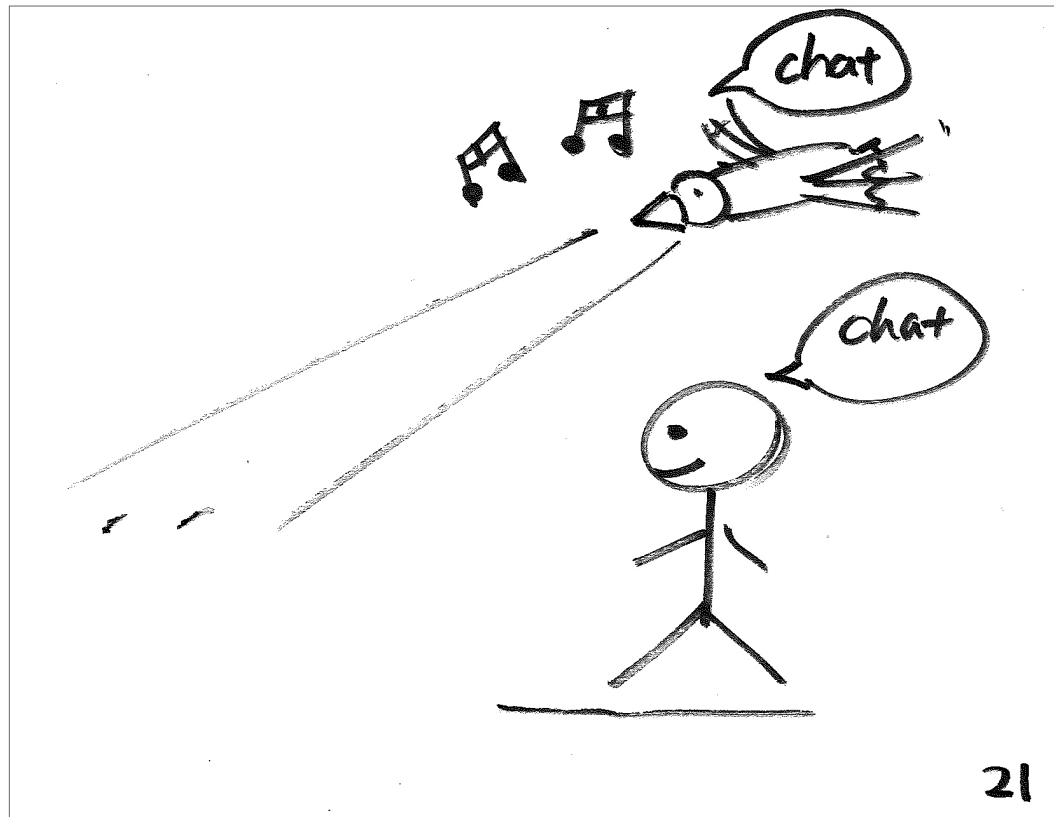
## Police Escort Program

Non-emergency police hotline where late-night workers can request a ride home from an on-duty cop. Available on slow nights. Companionship for both and fosters good relationships.



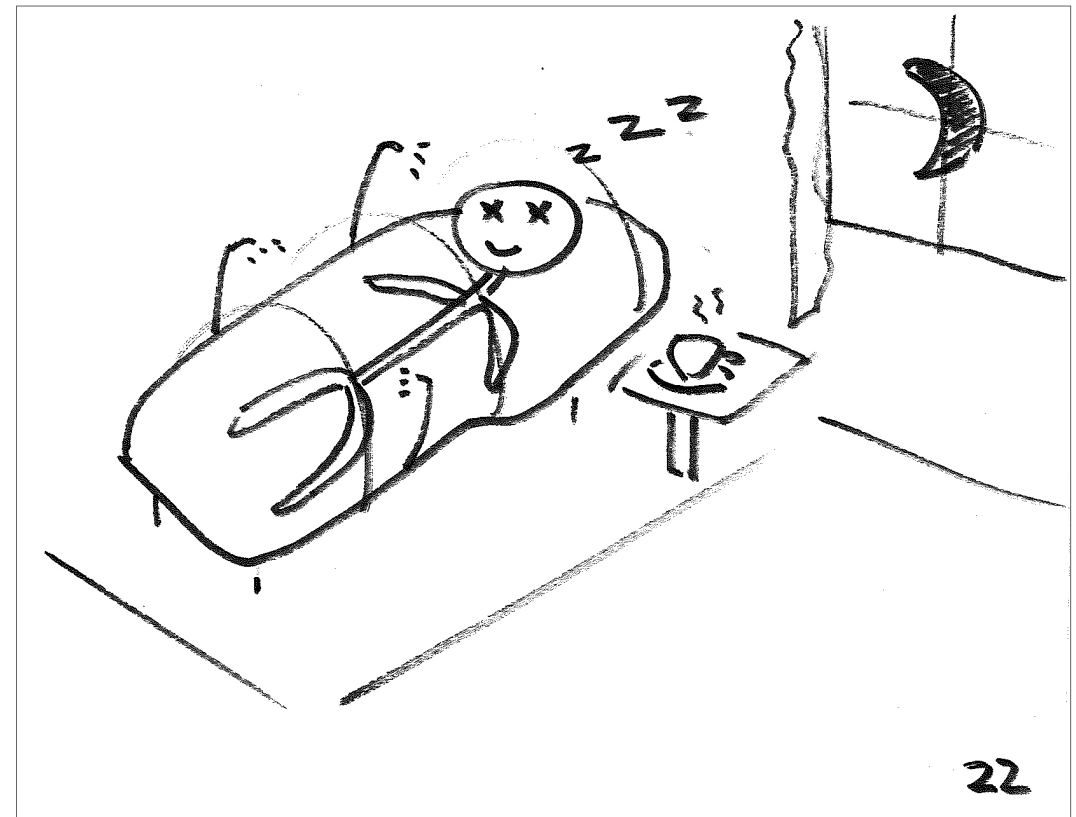
## Late-Night Pet Bar

A casual doggy-daycare service for atypical workers. Pick your pet up when your shift is done and have protection and company for the long walk home.



## Robot Drone

Automatically follows you using face and object tracking. Chats, plays music, lights up the street, navigates, and monitors safety. Atypical hour workers may purchase a drone for their personal use, or pay a monthly subscription fee for a drone to automatically follow them on their commutes.



## Metastasis Bed

Humans are wired to be awake during the day and sleep at night; atypical shifts wreak havoc on the metabolism. This bed emits chemicals to regulate your metabolism, refreshing your body and relieving stress.



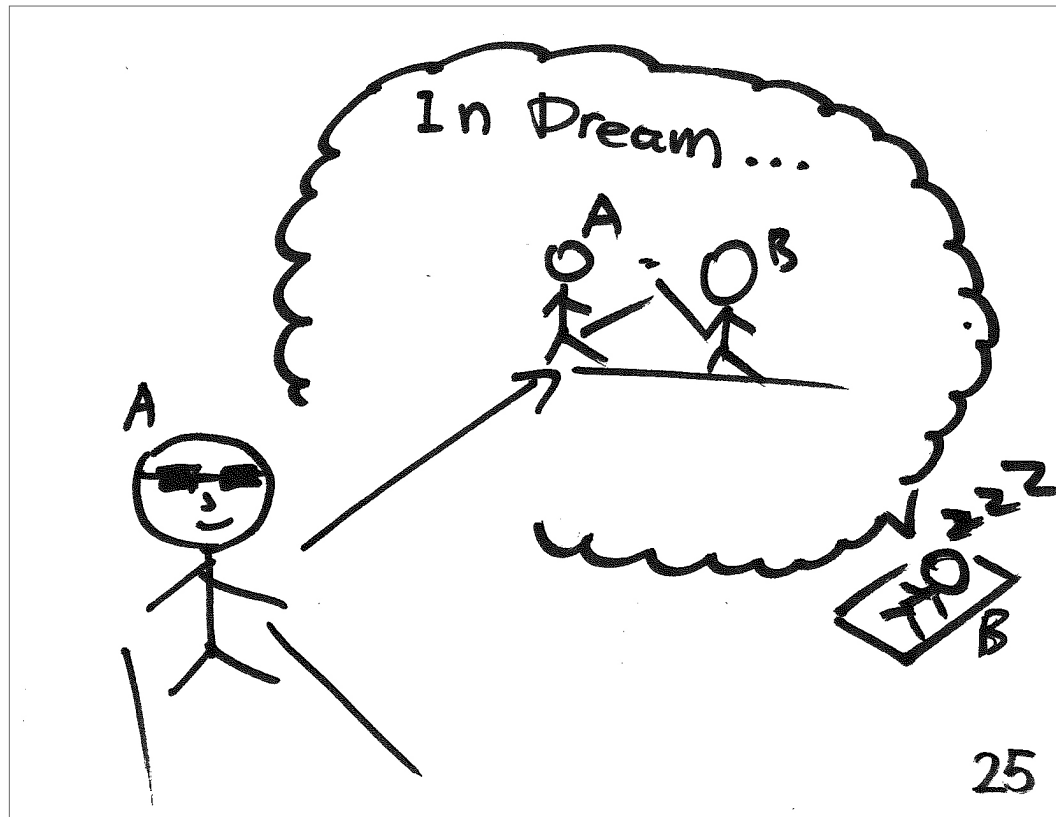
## Interactive pathway

A motion sensing speaker installed in the city environment. Plays music and news when a user is nearby. The content played is based on the user's preferences/ requests and can be controlled through smartphone apps.



## You are not alone!

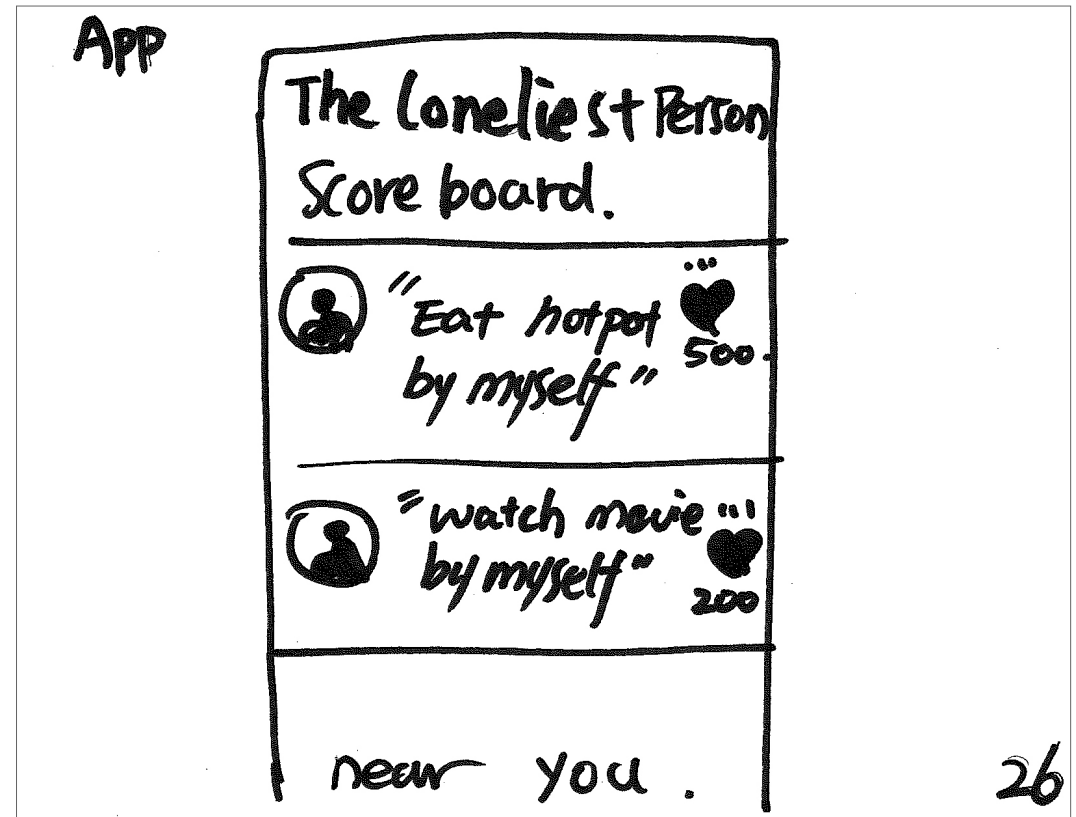
Use your cellphone camera to point in any direction and the app will display an interactive infographic showing approximately how many people in this direction that are still awake. May reduce the isolation of working atypical hours.



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## Walk into your dream

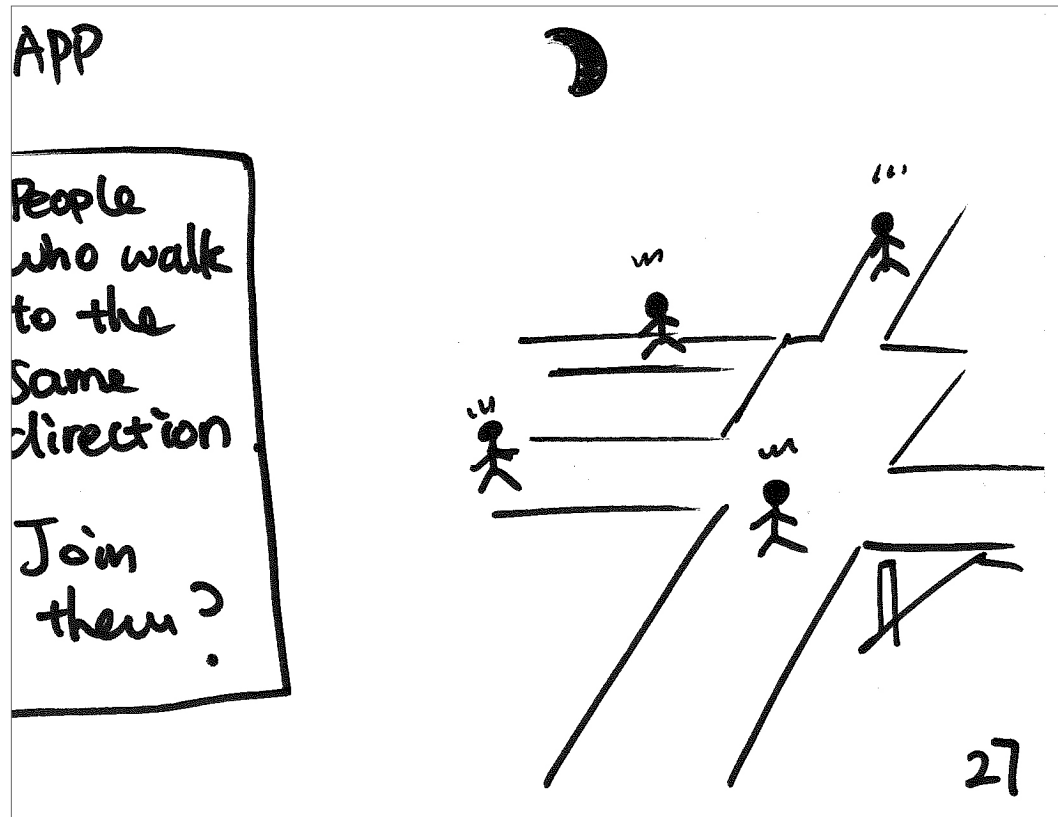
An AR digital community that enables people who are awake to use AR to enter dreams of people who already asleep. Sleeping sensor required. Another option is to participate in dreams artificially created by game designers.



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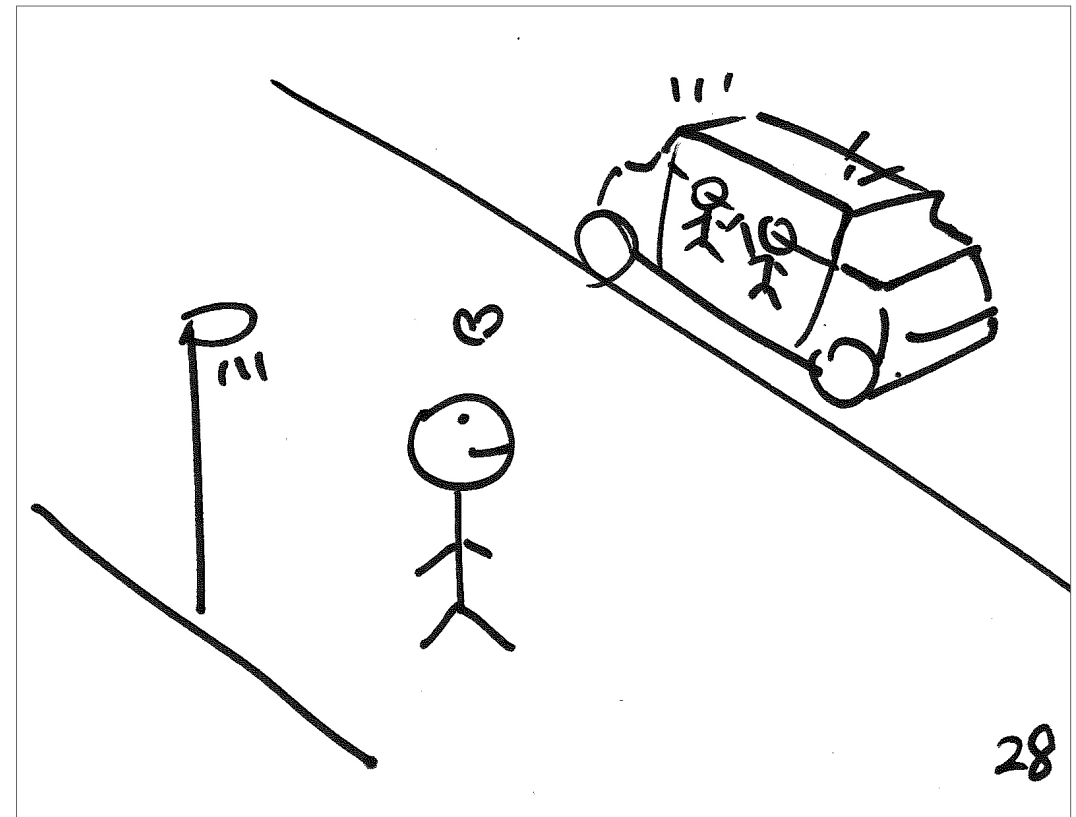
## The Loneliest Person

A social app with a scoreboard that displays the loneliest person in a nearby range. Players post their issues which can then be interacted with by others: "like" the reason or "poke" the user for fun. The loneliest person on the ranked billboard will receive digital rewards.



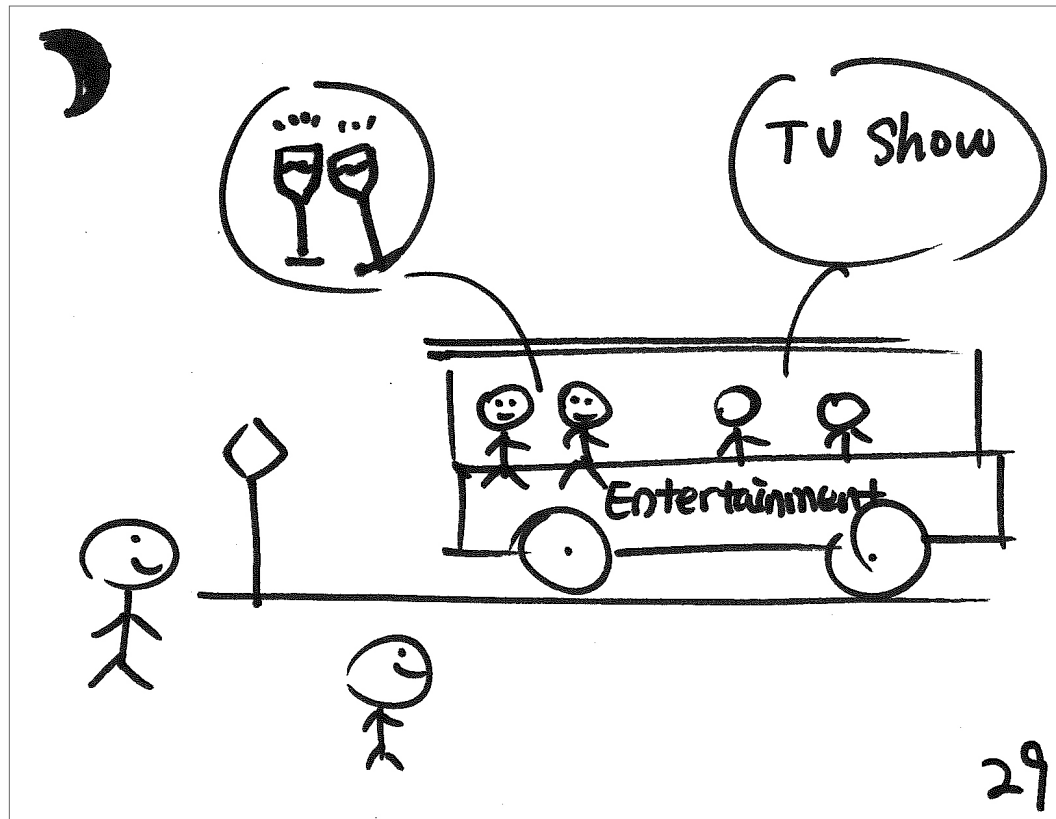
## Heading that way too!

An app that indicates how many people near you are heading the same direction as you. You can invite those users to join you for the night commute. The app protects privacy by not publishing any personal information or exact locations.



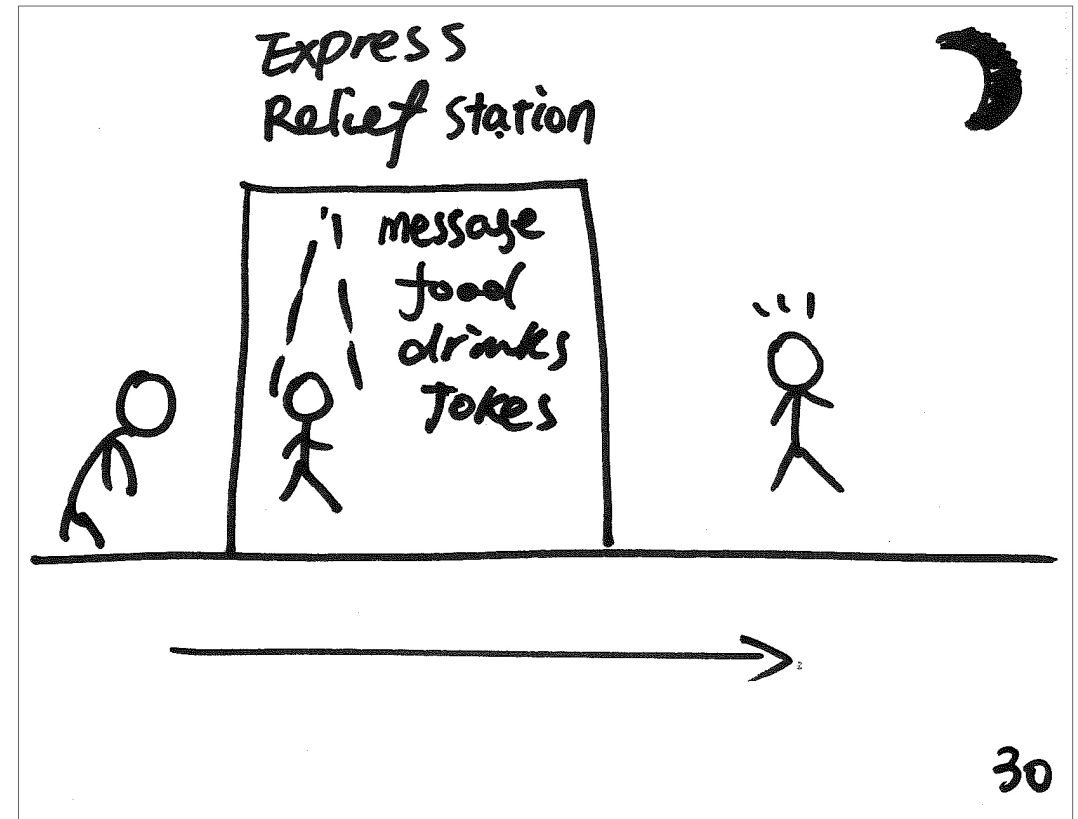
## Digital car body display

A thin and digital display that can be attached to the personal or public transportation vehicles, displaying digital contents such as television shows or news. Engineered to be enjoyed by pedestrians. Those who put the display on their car will get rewards for doing this.



## Traveling entertainment hub

A bus service that equipped with a mini bar, movie theater and other entertainment functions. People who finish their night shift can ride this Mobile entertainment hub on the way home. Covers common night-commute routes.



## Express relief station

An automated service station that provides a quick massage, food and drink, and even some light entertainment. Atypical workers who are tired after work can enjoy this 5-10 minutes relief service.