UriDE will be a platform for people (initially college students) to post when and where they’re planning on driving to, and find others who want to go to roughly the same location. This allows them to carpool, saving fuel and money, as well as providing a means of transport to those who may not have one. Systems exist to solve this problem, but they tend to be poorly structured and far from easy to use. Many are simply Facebook groups, relying on postings with no easy way to search, filter, or communicate. Our platform will aim to make finding a ride or advertising a ride far easier, help answer logistical questions that might otherwise be overlooked, and provide payment options if the individuals involved in the transaction would prefer to handle it through our service.

The following is a set of user stories that will guide the initial development of the application:

As a driver, I want to post the details of my travel

Rough city or town destination, time leaving, willingness to go beyond exact dest, trunk space

As a driver, I want to accept riders in exchange for money

As a driver, I want to define when I get money and what method I use

As a driver, I want to be able to report "bad" riders

As a rider, I want to view postings by destination

Search by place with range beyond dest

As a rider, I want to be able to make a bid for a ride

View other bids?

As a rider, I want to be able to view details of the ride

Where it would be, when it leaves, what they want, type of car, music/ac, priceish

As a rider, I want to be able to view and leave reviews of drivers

Figure out who is sketch and avoid them

As a user, I want to make a profile

As a user, I want to link my account to Paypal

As a user, I want to be able to delete my account

The following are the basic models we imagine needing as we develop the system:

Users-

GUID -> Unique, required

First Name, Last Name-> required, string

Email-> required, string

Password-> required, string

Address-> required, at least a city, string

Phone number-> required, string

Payment type-> int id

payment string-> string like a cc# or paypal account

transaction history --> List of Ride Type

gender-> boolean

driver's license number-> string

age-> int

university-> string

ratings/reviews-> string/int pairs

vehicle --> Vehicle type

Vehicle-

GUID-> Unique, required

max seats-> int

trunk space-> float

notes-> string

mileage/condition-> string

make-> string

model-> string

year-> int

color-> string

license plate-> string

uninsured-> boolean

AAA/OnStar/Other-> string

Pets/Handicapped/Babies-> booleans

Rides-

GUID-> required, unique

Vehicle --> vehicle type

time to leave-> datetime

time to arrive-> datetime

destination-> string

start location-> string

Driver --> User type

riders/luggage --> list of User type, list of floats

cost structure (levels of price to people)-> list of int pairs

planned stops (food or rider drop off)-> list of strings

comments-> string

maximum distance to drive outside route or destination -> int