Requirements

1. HUD [Threshold]
   1. The HUD should relay information to the user about current environment and travel data. The user can view data in both the top and bottom margins of the home screen.  
      1. Top margin [Threshold]
         1. The user can view data such as current outside temperature, current address or latitude and longitude, and the local time.
      2. Bottom margin [Threshold]
         1. The user can view information including, current speed, time spent driving, and direction of travel.
2. Hot pads [Target]
   1. Three of these pads come preconfigured with Nomad’s navigation utility, Android’s voice search function, and Android’s voice dialer. Other limited applications and utilities are assignable to the other unbound hot pads. To do this, the user will simply hold down on one of the open hot pads, and select an application function or utility from the pop-up dialog window.   
      1. Default hot pads [Target]
         1. Selecting these hot pads executes the respective utility allowing the user to access the full capabilities of that utility.
3. Nomad navigation utility [Target]
   1. The user can enter a destination(s), and receive back a route of travel.   
      1. Traffic diversion [Target]
         1. Divert the user to a different route that has less traffic, or less of an obstacle, than the original route. Nomad executes this operation autonomously upon the user selecting a destination(s).
4. Timer [Target]
   1. A timer starts when the user starts traveling, and stops when the user reaches his/her destination.
5. Messaging & Alerts [Target/Stretch]
   1. The user can view messages and alerts in the user’s device notification window.   
      1. Traffic & Accident alerts [Target/Stretch]
         1. Make the user aware of bad traffic conditions on the user’s next route. Provide the user with an alternative route to remedy the situation.
      2. Bad weather conditions [Target/Stretch]
         1. Notifies the user of bad weather that could potentially pose a challenge for upcoming travel plans

Schedule

Week 5

* Dynamic data on home screen display’s
  + Address, speed, direction, etc.
* Hot pad long press functionality completed
  + Binding of app to hot pad from available list
  + Default apps appear on respective hot pads

Week 6 & 7

* Nomad nav utility
  + Diverts user away from bad traffic conditions when present
* Timer

Week 8

* Alerts
  + Bad traffic heads up
  + Bad weather heads up

Week 9

* Defense