

| <b>Feature</b>   | <b>Points</b>                       |
|--|-------------------------------------|
| <b>Overall Program Structure</b>   | <b>20</b>                           |
| <ul style="list-style-type: none"> <li>• GUI and Net code still works!</li> <li>• Correct "main" handling</li> <li>• Ability to configure Google key</li> <li>• Good modularity</li> </ul>   | <p>5</p> <p>5</p> <p>5</p> <p>5</p> |
| <b>Placelab Functionality</b>  | <b>40</b>                           |
| <ul style="list-style-type: none"> <li>• Integration of Placelab code into your program <ul style="list-style-type: none"> <li><i>Your code should correctly call out to Placelab to get its location</i></li> <li><i>Should not crap out even if Placelab can't find a location (returns NaN for example)</i></li> </ul> </li> <li>• Exchange of location data via GET_USER_INFO message <ul style="list-style-type: none"> <li><i>Update your own user info with the location from Placelab as it is updated (ensures that peers who send you GET_USER_INFO will get the most up-to-date result)</i></li> <li><i>Keep track of other peers' locations</i></li> </ul> </li> <li>• Ability to manually configure location <ul style="list-style-type: none"> <li><i>Should provide some mechanism for manually setting a location</i></li> <li><i>Either fields to enter latitude/longitude coordinates, or a list of pre-selected locations</i></li> <li><i>(If using pre-selected locations, you'll have to figure out the lat/long to feed into Google Maps later)</i></li> </ul> </li> </ul> | <p>15</p> <p>10</p> <p>15</p>       |
| <b>Google Functionality</b>  | <b>40</b>                           |
| <ul style="list-style-type: none"> <li>• Provide a UI control to "View Locations" <ul style="list-style-type: none"> <li><i>A JButton in your UI will suffice</i></li> <li><i>Should trigger the two functions below</i></li> </ul> </li> <li>• Write out web page including location data and Google Maps code <ul style="list-style-type: none"> <li><i>Emit a valid web page to the current directory</i></li> <li><i>Should contain either your Google key, or the key that's been configured in</i></li> <li><i>Should contain a marker for YOU</i></li> <li><i>Should contain a marker for any discovered PEERS</i></li> <li><i>Map should be big enough to contain all markers</i></li> <li><i>Should have the usual map controls (zooming, panning, etc.)</i></li> </ul> </li> <li>• View in an external web browser <ul style="list-style-type: none"> <li><i>Launch an external web browser, providing the path to the web page you emitted above</i></li> <li><i>Should display the map correctly, allowing normal interaction</i></li> </ul> </li> </ul>                             | <p>5</p> <p>25</p> <p>10</p>        |
| <b>Bonus</b>   | <b>10</b>                           |
| <ul style="list-style-type: none"> <li>• Integration with other Google data (Google Local, Froogle, etc.)</li> <li>• Extreme graphical richness and novelty</li> </ul>   | <p>5</p> <p>5</p>                   |