ITEC 2120 Project Instructions

Summer 2014

You will create a Processing sketch that will allow students to test their knowledge about Georgia counties.

You can extract the data for Georgia county borders from here:

<http://nifty.stanford.edu/2014/wayne-purple-america/purple-america-data.zip>

You may use any of the code in the Processing Sketch found on OneDrive under ‘Project Materials’. The reference Processing sketch is zipped in GeorgiaMap\_WIP.zip.

You’re free to build the sketch from scratch too – it’s your choice.

Your sketch should have these characteristics (with rubric/scoring):

* 5 Display of the Geogia map, by county
* 5 Dynamic highlighting of counties
* 25 Quizzing capability (for example: 1) Click on Gwinnett County, or,

2) Which of these three county names corresponds to the highlighted county (Gwinnett/Camdem/Rabun)?

* 25 Score keeping and ‘game’ management
* 10 Quiz environment offers a hinting Mode
* 15 UI Components should include start/restart button, running score,

toggle for hinting, and any other components required for your sketch

* 7.5 Wiki page correct (Note: I can not grade anything without screencast

video)

* 2.5 Aesthetic presentation of screen components
* 2.5 Contribution statement present and correct (if team)
* 2.5 Classroom presentation

The quiz/game design is up to you – be creative.

You may work in teams or individually. Teams may be composed of two people. If you work as a team, you must give me a confidential contribution statement when you submit your final work. You have a budget of 100%, you must allocate the budget across the team members (for example: I did 70%, Barack did 30%).

Your final project wiki page must contain: team member names, project description, usage description, your project’s archive file (zip only!) and your demo video. The video should be provided as a link. Each team member must submit a screen capture of the team’s (or individual’s) wiki page in the ‘Project’ assignment dropbox.

Your screencast can be created with Jing, Camtasia Studio, QuickTime Player or other similar tools. An excellent example of a project screencast can be previewed here: <http://www.screencast.com/t/lII1MmNkjh>. Your screencast should demonstrate all of your sketches capabilities. Note that this screencast is for an assignment in another course that used Processing, so it’s similar but not completely the same. Thanks Katie! You can provide sound in the screen cast but don’t have to -- as you’ll see in Katie’s example.