

## CPET 565/CPET 499 Mobile Computing Systems Assignment 1

Assigned date: 8/22/2012

### Assignment 1-a:

- Read Lecture note 1
- Study Chapter of the required text book
- No hand-in required, prepare for class discussion

### Assignment 1-b

An ITS department receives a request from Senior President of Marketing & Sales asking for a way to connect her Apple iPad wirelessly to a LCD projector and a big screen HDTV in a company sponsored Mobile Computing Exhibits/show in Chicago. She needs to have the solution that would enable her to use it for 2 hours during the presentation time by Aug. 29 if available.

### Hand-in Requirement and Due date

- Submit a report and prepare for a 5 minute presentation.
  - Cover page: a report title (chosen by each team), team members, date
  - Proper pictures, drawings would be needed
  - The content of the report should include the following sections
    - Problem Statement
    - Background Research on
      - iPad features and supporting peripherals
      - Existing support for connecting to a LCD projector or HDTV; and the setups
      - Needed new components/ products: vendors, features, costs, etc
    - Proposed Solution
      - Trade-off analysis or Evaluation (if there is more than one solution)
      - Proposed components and configurations (with drawings)
      - A user manual to show the connect and use the proposed wireless adapter
    - Recommendations
    - References
- Due 8/29/2012, before 3:30 PM

### Team Formation for Assignment 1:

Team 1:

- Joel Bauer, [bauejr01@students.ipfw.edu](mailto:bauejr01@students.ipfw.edu)
- Heidi Prussing, [prussinh@students.ipfw.edu](mailto:prussinh@students.ipfw.edu)

Team 2:

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- Luis Morales, [morald01@students.ipfw.edu](mailto:morald01@students.ipfw.edu)

Team 3:

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Team 4:

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Team 5:

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- Christopher Frey, [freycr01@students.ipfw.edu](mailto:freycr01@students.ipfw.edu)
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