A. Submission Instructions:

- Submit your solutions via eLearning.
- Please submit a single zip file with the following files:
  - Source code/script file(s).
  - A ReadMe file with instructions on how to run/access the homework.
- Late Submission Penalty:
  - up to 2 hours late — 10% deduction
  - 2 - 4 hours late — 20% deduction
  - 4 - 12 hours late — 35% deduction
  - 12 - 24 hours late — 50% deduction
  - 24 - 48 hours late — 75% deduction
  - more than 48 hours late — 100% deduction (zero credit)

B. Problems:

1. Front-End for a Website (100 points)

UTD wants you to design a prototype front-end using responsive web design. The following features are required:

a. **(25 points)** Use of a responsive web design framework: Your prototype website should use the HTML/CSS design templates from Bootstrap (http://getbootstrap.com/). Bootstrap is a free and popular HTML, CSS, and JS framework for developing responsive and mobile-first websites efficiently.

b. **(50 points)** Your prototype website should have the following pages:

   i. Initial homepage with an image slider of three (3) or more images of the schools at UTD. Clicking on any of the images in the slider should direct the user to the UTD school webpage related to that image in a new tab.

   ii. A navigation bar containing five (5) entries:
   1. Home: describing the advantages of your prototype page (i.e. the use of the responsive web design framework)
   2. UTD School 1
   3. UTD School 2
   4. UTD School 3
   5. Contact Us Page

   iii. In your Home page, using JavaScript/JQuery, for appropriate HTML/HTML5/CSS element(s)/attribute(s), perform the below specified effect(s) when the specified event is triggered:

	Event	Effect
1	~~Click~~	~~Element(s) Hide, Show, and Hide/Show toggle~~
2	~~Dblclick~~	~~Element(s) FadeIn, FadeOut, FadeTo, FadeToggle~~
3	~~Mouseenter~~	~~Animate CSS with an alert popping a "Done!" message at the end of the animation~~
4	~~Mouseleave~~	~~Stop effects that were started with the Mouseenter event, however the alert stating the "Done!" message should still be shown~~
5	~~Keypress~~	~~Chain three (3) fading events~~
6	~~Keydown~~	~~Chain three (3) animate events~~

c. **(25 points)** The "Contact Us Page should contain the following display and functionality:

i. Initially, the page should contain a 4x4 table with the following column headings:
   1. First Name
   2. Last Name
   3. Email Address
   4. Telephone Number

ii. Table Row Addition: Below the table, place a "add row" button which when clicked will add a new empty row to the table.

iii. Table Row Deletion: Each row (except the table header) should have a delete button which when clicked will delete the appropriate table row.

iv. Content Addition/Editing: By clicking on the appropriate table cell (all except the header cells), user should be able to add or edit the cell's content (content validation is optional).

v. The ability to change individual cell display:
   1. If the user holds down the *Alt* key while moving the mouse, the table cell (all except the header cells) over which the mouse moves must have its background color set to blue with red font color
   2. The cell should return to its original style when the mouse leaves the cell or when the *Alt* key is released