

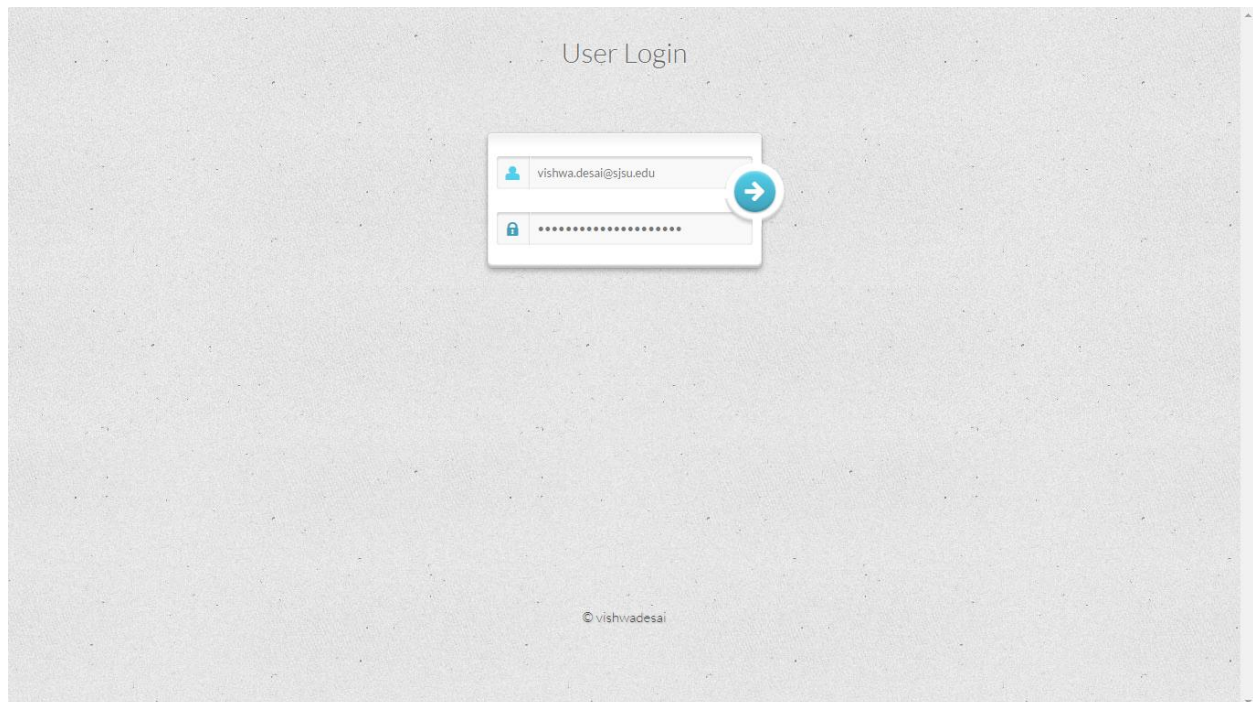
### ASSIGNMENT 1 SCOs using HTML5

#### Assignment Objectives :

- **HEADER/FOOTER tag** - All screens contain both tags.
- **DATA tag** - All question screens contain the tag for correct answer.
- **MARK tag** - Verbal question screen contains the tag and script for populating value on radio click.
- **VIDEO tag** - Video/Audio question screen contains the tag.
- **DATALIST tag** - Survey screen contains the tag to populate the City and Room Number dropdowns.
- **SUMMARY tag** - Score card screen contains the summary tag for scores in each section.
- **MATHML library** - Quant questions use this library for math questions to represent equations in correct format.

Application : <https://s3.amazonaws.com/cmpe280-assignment1/index.html>

#### 1. Login Screen

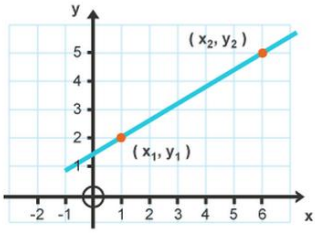


## 2. Quant Question 1 ( MathML library)

Question 1

Given points  $(x_1, y_1)$  and  $(x_2, y_2)$  select formula to find the equation of the given line

- ☒  $y = mx + b$
- ☐  $\frac{1}{b(x-h)} + \frac{1}{c(y-k)} = \frac{1}{r}$
- ☐  $y - y_1 = m(x - x_1)$
- ☐  $y - y_1 = \frac{y_2 - y_1}{x_2 - x_1} (x - x_1)$



Submit & Next Question
Cancel & Clear Selection

## 3. Quant Question 2 ( MathML library)

Question 2

Select the Cosine theorem formula—

- ☐  $\cos(\alpha \pm \theta) = \cos \alpha \cos \theta \mp \sin \alpha \sin \theta$
- ☐  $\sin(\alpha \pm \theta) = \sin \alpha \cos \theta \mp \cos \alpha \sin \theta$
- ☐  $\sin \alpha + \sin \theta = 2 \sin \left( \frac{\alpha + \theta}{2} \right) \cos \left( \frac{\alpha - \theta}{2} \right)$
- ☐  $\sin \alpha - \sin \theta = 2 \cos \left( \frac{\alpha + \theta}{2} \right) \sin \left( \frac{\alpha - \theta}{2} \right)$

Submit & Next Question
Cancel & Clear Selection

## 4. English Question ( Mark tag)

### Question 3

As per the latest Twitter news, complete the article snippet given by selecting appropriate choices for the blanks

☐ Option 1 Mark 1: \$650

☐ Option 2 Mark 1: \$550

☐ Option 3 Mark 1: \$750

☐ Option 1 Mark 2: Twitter

☐ Option 2 Mark 2: Google

☐ Option 3 Mark 2: Facebook

" Twitter wants more cash. The company announced two \$ million debt offerings in a filing today, each with a potential \$100 increase provided that the sales are oversubscribed. Assuming full tip, including the \$100 million boosters, will rise up to \$1.5 billion with the two offerings. "

Source : <http://techcrunch.com/2014/09/10/twitter-to-rise-up-to-1.5b-in-debt-offering/>

Submit & Next Question

Cancel & Clear Selection

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## 5. Video Question screen

### Question 4

Watch the video and answer the following question. What is the source that is mentioned in the video?

- ☒ nasa.gov
- ☐ data.gov
- ☐ facebook.com
- ☐ apple.net



**Expedition 40 Undocks Ending Mission**  
Source: <http://www.nasa.gov/multimedia/videogallery/index.html#VBPB5C5dVOE>

## 6. Survey Screen

### Survey

How do you like the center?

Comments:

Select Test Area Location:

City:  Room Number:

## 7. Score Card screen

