## **Computer Science Department**

## **Second Semester 2017/2018**

## **Instructor: Mamoun Nawahdah**

## **Comp332 – Human Computer Interaction**

## **Final Project - Phase #3**

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## ***Problem statement:***

*Our problem is the bad* ***U****ser* ***I****nterface and* ***U****ser E****x****perience in the alternative program of MatLab (Octave Online) →* [*https://octave-online.net*](https://octave-online.net)

***Suggested solution:***

*provide different types of* ***UI*** *and better colors, and common icons for a better* ***UX****.*

***Null hypothesis:***

*There is* ***no significant*** *difference between Octave Online users over their subjective satisfaction in terms of the interface color.*

 ***Grouping:*** *between groups*

***Independent variable(s):*** *1. Variable, (Color).*

***Condition(s):*** *5 conditions,*

*1. Original Theme (first theme ).*

*2. Original Theme (second theme).*

*3. Theme #1.*

*4. Theme #2.*

*5. Theme #3.*

***Dependent variable(s):***

*1. Variable, (Subjective satisfaction).*

***Subjects:***

 *33 subjects.*

***Data collection techniques:*** *Questionnaire*

***Questionnaire questions:***

*How satisfy are you with this design in terms of its color?*

***Data analysis technique:*** *One-way ANOVA test*

suggested *questionnaire in the link:* [*https://goo.gl/forms/IiqkeMt5xKzAhiZS2*](https://goo.gl/forms/IiqkeMt5xKzAhiZS2)