Flowcharts and Storyboards

EME6613

Fall 2023

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Contents

Flowcharts of Web course Features

Figures 1, 1a, 1b, 1c, and 1d depict the intended structure of Unit 1.0 and the sequence of instructional events as specified in the instructional treatment plan for TRE101- Changing a Flat Tire. These diagrams show the different pages provided to the learner and the contents of module 1.0.
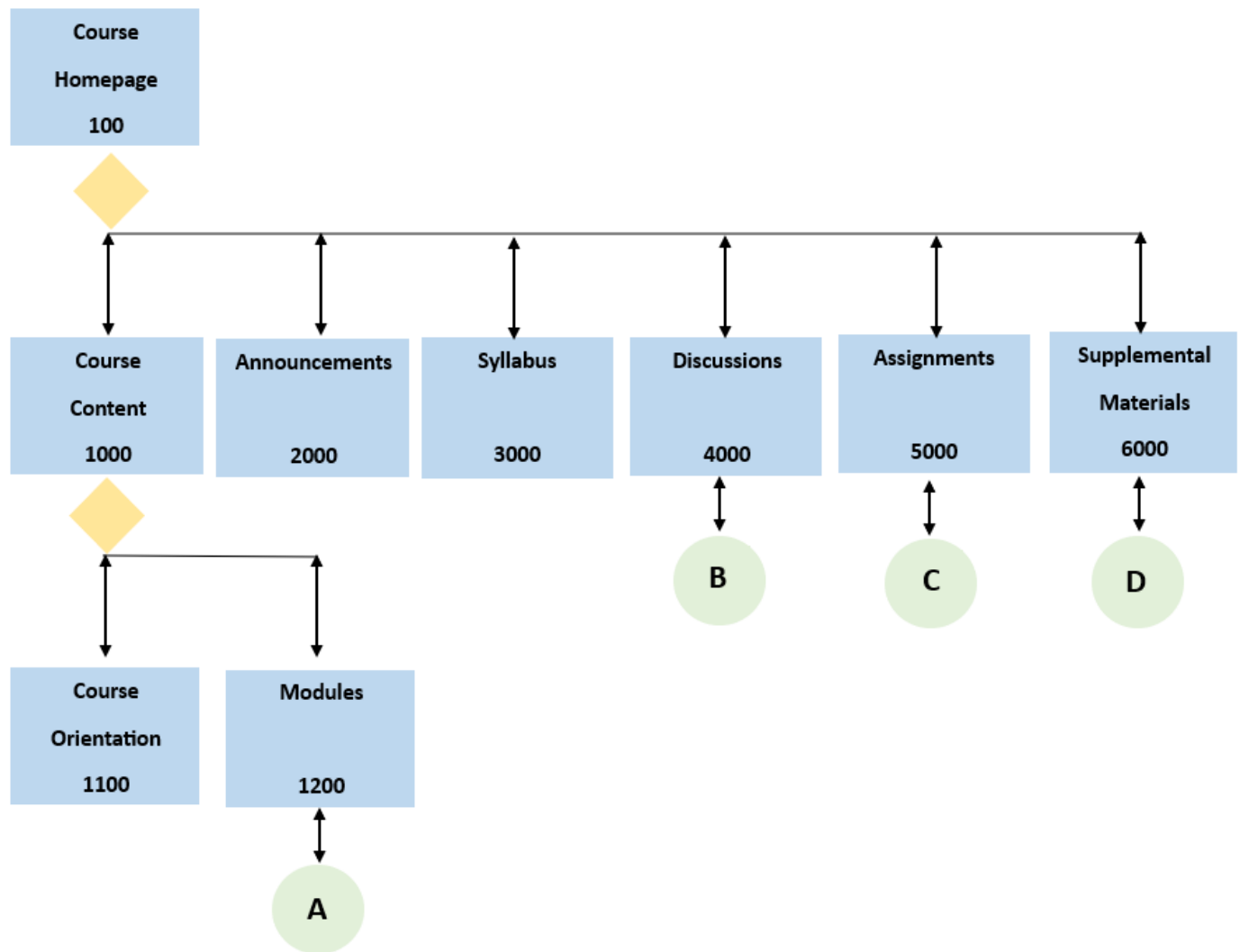
Figure 1: Sample flowchart depicting course homepage and preliminary set of pages in Web courses for TRE101
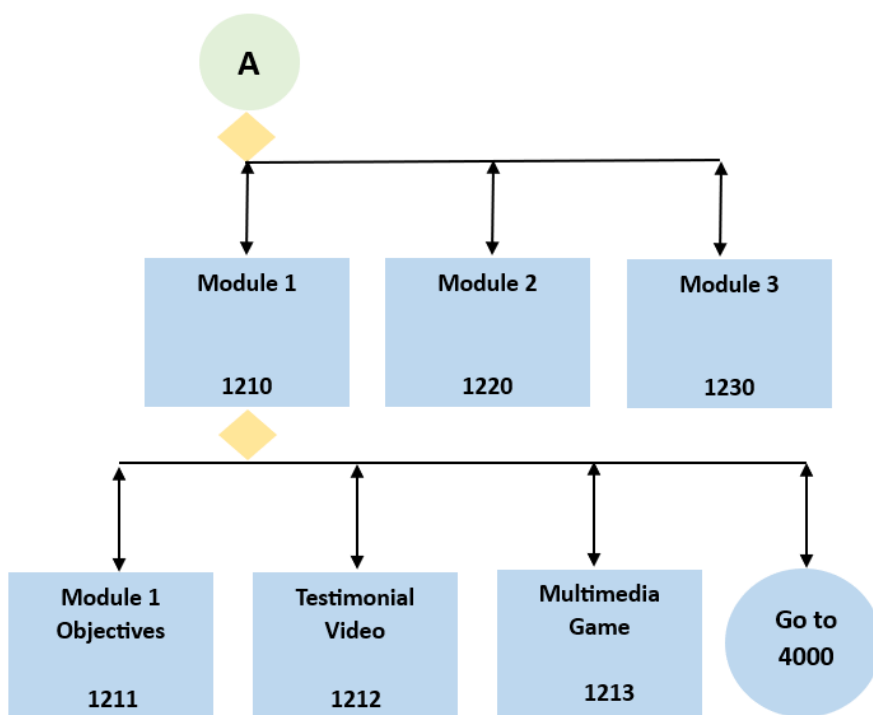

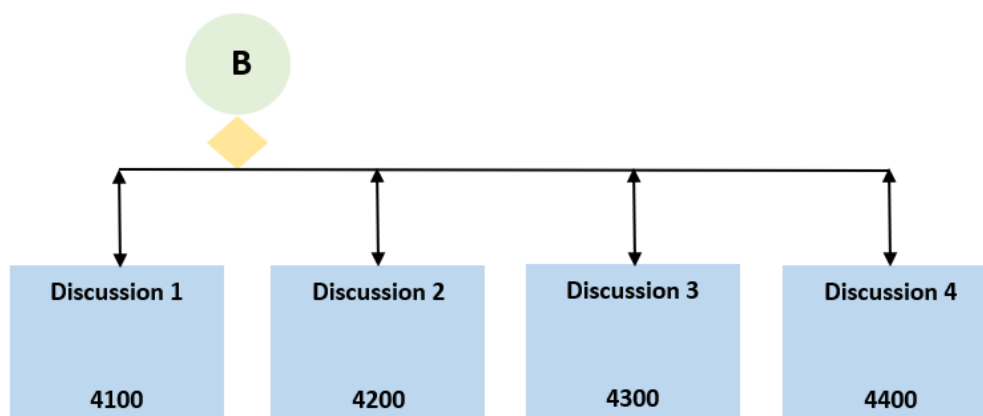**Figure 1a: Sample flowchart depicting pages for Module section of course**

Figure 1b: Sample flowchart depicting pages for Discussion section of course

```
        C

        ◇

Assignment 1      Assignment 2      Assignment 3

   5100              5200              5300
```

Figure 1c: Sample flowchart depicting pages for Assignment section of course

```
              D

              ◇

Safety Article   Required Tools   Diagram of Safe   Checklist QR
                     List             Setup             Code

   6100              6200              6300             6400

                                                     Interactive
                                                      Checklist

                                                        6410
```
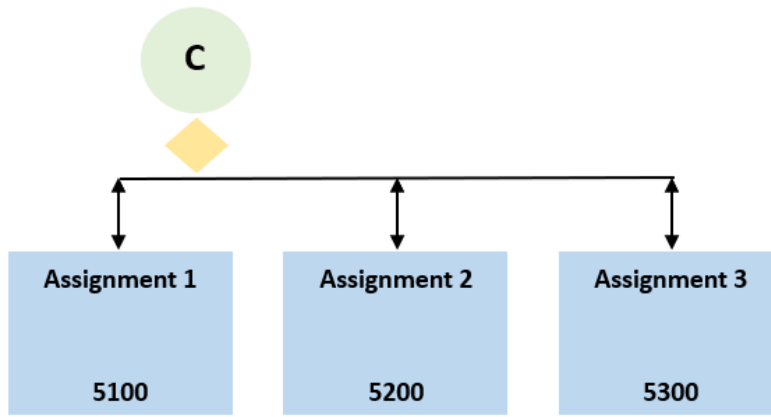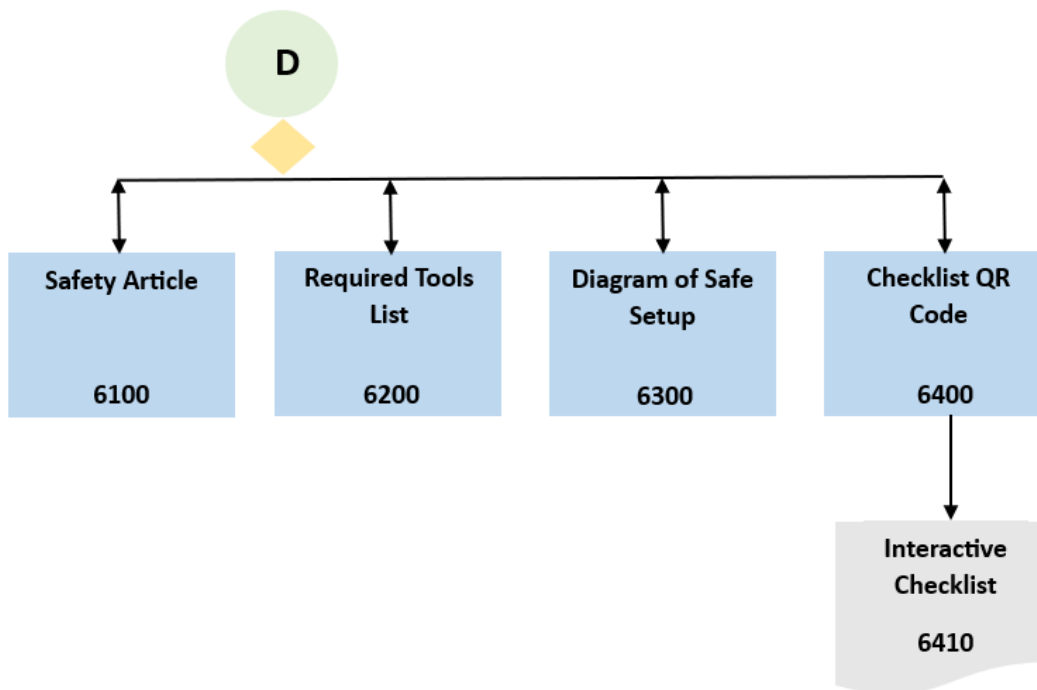
Figure 1d: Sample flowchart depicting pages for Course Material section of course

Storyboards

Table 1: Sample Instructor Led Discussion Board Storyboard

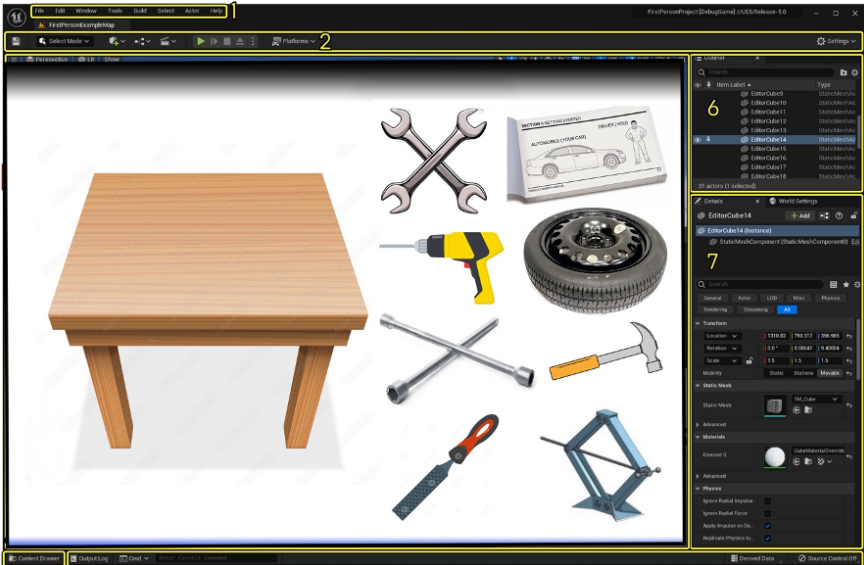| Project Title: EME6613 Instructional Systems Design Page: 1 of 2 Lesson Title: Instructor Led Discussion board Date: 11/14/23 File Name: Instructor Canvas LMS Frame #: 1115		Script: Reflect on experiences you have had as licensed drivers on the road via an online discussion board in Canvas LMS. Have you had to engage the parking brake on a vehicle and how? Can you identify the hazard indicator button
Links Links From Screen: Instructional Units [menu] Links To Screens: 1115	Screen Description: Unit overview page that presents either information about or a link to information about all instructional events necessary to complete Unit	

Screen Layout:	in your vehicle, if so where?

TRE101 > Course Content > Modules > Module 1 > **Discussions**

CANVAS

Course Content

Announcements
Syllabus

Discussions

Assignments

Course Materials

⊘ Not Published

Topic Title CHANGING A FLAT TIRE PEER DISCUSSION POST

HTML Editor

B I U A ▾ ▦ ▾ I_x ▤ ▤ ▤ ▤ ▤ x² x₂ ▤ ▤
▦▾ ▣ ⬀ ⬀ ▦ √x ⬦ ▤ ◱ ▤ ¶ ¶ 12pt ▾ Paragraph ▾ ⑦

PLEASE POST YOUR REFLECTION TO THE QUESTIONS BELOW AND REACT TO
AT LEAST TWO OF YOUR PEER'S POSTS:

HAVE YOU HAD TO ENGAGE THE PARKING BRAKE ON A VEHICLE AND HOW?
CAN YOU IDENTIFY THE HAZARD INDICATOR BUTTON IN YOUR VEHICLE, IF SO WHERE?
HAVE YOU BEEN IN A SITUATION THAT REQUIRED A VEHICLE JACK, EXPLAIN?
DO YOU KNOW WHERE THE SPARE TIRE FOR YOUR CAR IS STORED, EXPLAIN?

p   0 words

Post to

All Sections ✕   ˅

Have you been in a situation that required a vehicle jack, explain?

Do you know where the spare tire for your car is stored, explain?

You will post your reflection and react to at least TWO of your peer's posts.

Background: None Color Schemes: None Text Attributes: Ariel font type 20pt	Audio: None Video: None Animated Gifs: None Graphic Stills: None

Developer's Notes:
This Discussion board is being used to Stimulate Recall of Prior Knowledge occurring to Gagné's 9 Events. When learners must interact asynchronously with each other and respond to each other's posts it stimulates thought and the interaction with others is a positive learning experience.

Table 2: Sample Multimedia Game Storyboard

| Project Title: EME6613 Instructional Systems Design
Page: 1 of 1
Lesson Title: Find the Car Tools
Date: 11/14/23
File Name: Multimedia Game
Frame #: 1114 | Script:
Participate in a
multimedia game
outside of class
where you will be
presented with tools |

Links Links From Screen: Instructional Units [menu] Links To Screens: 1114	Screen Description: Unit overview page that presents either information about or a link to information about all instructional events necessary to complete Unit	for changing a flat tire as well as other types of tools. You will have to interact with the game to place the right tools on the virtual table. You will have multiple chances to get it correct so that you feel successful, and this will stimulate recall of learning about which tools to use from the previous demonstration. This game will be fun and interactive as it uses technology to find a solution.

Screen Layout:

Background: Game board Color Schemes: None Text Attributes: None	Audio: Clicking mouse sounds Video: Yes Animated Gifs: None Graphic Stills: Yes	

Developer's Notes:
When learners have to make choices about which tools to use it elicits performance according to Gagné's 9 Events. The learners must differentiate between regular tools and those used for changing a flat tire. This will help learners to better identify the correct tools for when they are in the situation of needing to change a flat tire whether that be in class or in the outside world.

Table 3: Sample Infographic Diagram Storyboard

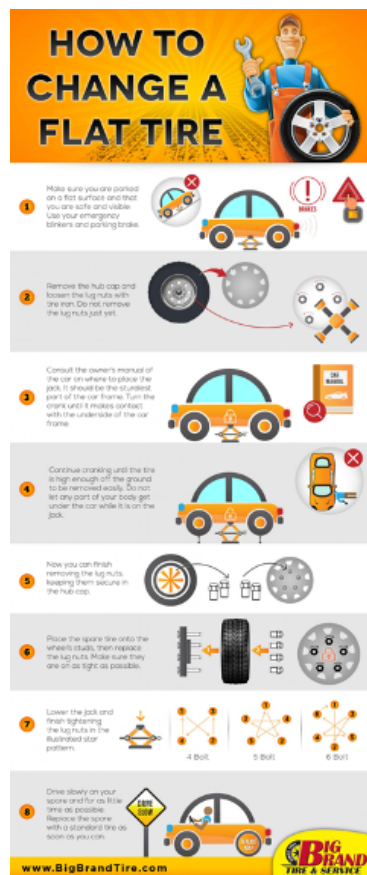|		Script:
Project Title: EME6613 Instructional Systems Design Page: 1 of 2 Lesson Title: Prepare a car and tools Date: 11/28/23 File Name: Infographic Diagram Frame #: 6300		Infographic Diagram that shows you how to change a flat tire and the needed tools. Use this as a guide when you try changing a tire in reality.
Links Links From Screen: https://visual.ly/community/Infographics/how-change-flat-tire Instructional Units [menu] Links To Screens: 6300	Screen Description: Unit overview page that presents either information about or a link to information about all instructional events necessary to complete Unit	
Screen Layout: 		

Background: None Color Schemes: None Text Attributes:	Audio: None Video: None Animated Gifs: None Graphic Stills: None	
Developer's Notes: This Infographic Diagram will help learners prepare a car for changing a tire.		

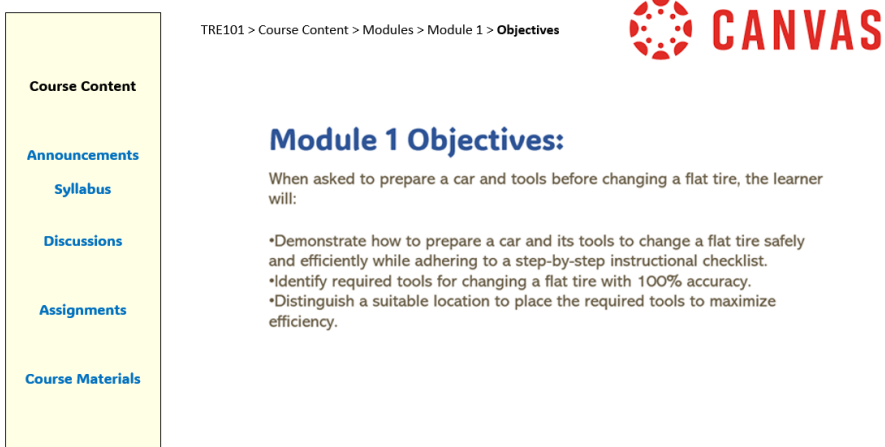*Table 4: Sample Testimonial Video Storyboard*

Project title: TRE101- Changing a Flat Tire   **Page:** 1 of 4

Lesson Title: Module 1: Prepare Car and Tools   **Date:** 11/18/23

File name: Testimonial

Frame #:

Links From Screen:

Links to Screens: Unit 1 Modules

Screen Description: Scenes from testimonial video that emphasizes the importance of taking a class on how to how change a flat tire.

Video Layout:

Background: Frame 8 - Power Point

Color Themes: Green-Blue Gradient

Text Attributes: Algerian 18, 28, 36, 48 Calibri 18

Script

Frame 1: Screen appears when learner selects frame 1100 – Testimonial Video. This frame has no sound.

Frame 2: It was pouring rain on a Sunday evening and I was on my way to my grand-mothers house, who lives on a very rural road.

Frame 3: I was about 10 miles from her house when I heard a noise coming from the rear passenger side of my car.

Frame 4: I pulled my car over to the side of the road to see what had happened. I saw that I had a flat tire. I pulled my cell phone out to call my dad because I had no idea how to change a flat tire.Unfortunately my phone was dead.

Frame 5: I sat in my car, soaking wet, for 2 hours without a working working cell phone.

Frame 6: Finally, I saw a car coming towards me. Luckily, they pulled over and let me use their cell phone. I tried calling my dad, but he didn't answer.

Designer's Notes:	Audio: N/A	Frame 7: I ended up having to call a tow truck and since my insurance didn't cover roadside assistance, I had to pay the tow company $350. By the time I got to my grandmother's house, I knew I needed to learn how to change a flat tire.
Animated video based on actual experiences of former student Video is narrated by former student who experienced event.	**Video:** 1920 X 1080 **Animated Gifs:** N/A **Graphic Stills:** Bing image	**Frame 8:** I started looking online for a class on how to change a flat tire. I found the class offered by the Tire Knights and signed up right away. I am proud to say that I can now change a flat tire by myself.

Table 5: Sample Objectives Page Storyboard

Project Title: TRE101 Objectives page Page: 3 of 4		Script:
Lesson Title: Information Page Date: 11/17/2023		Teacher will review the current module objectives with the students prior to the lessons. Students will be able to access the objectives at any time during the course.
File Name: Module 1 Objectives		
Frame #:		
Links	Screen Description:	
Links From Screen: 1210 (Module 1)	Students have access to current module objectives.	
Links To Screens:		
Course Content		
Announcements		
Syllabus		
Calendar		
Discussions		
Supplemental Instructional Materials		

Screen Layout:

CANVAS

Course Content

Announcements
Syllabus

Discussions

Assignments

Course Materials

Module 1 Objectives:

When asked to prepare a car and tools before changing a flat tire, the learner will:

•Demonstrate how to prepare a car and its tools to change a flat tire safely and efficiently while adhering to a step-by-step instructional checklist.
•Identify required tools for changing a flat tire with 100% accuracy.
•Distinguish a suitable location to place the required tools to maximize efficiency.

Background: None	Audio: None
Color Schemes: None	Video: None
Text Attributes: Dark blue and brown text. Font: Abadi. Size: 18	Animated Gifs: None
	Graphic Stills:
	Canvas logo (top right)

Developer's Notes:

When accessing this page, the student will have to first click on "Course Content", then choose "Modules". They will need to choose a module and then click on "Objectives". Once they follow these steps, they will be led to this page.

Table 6: Sample QR Code Storyboard

Project Title: TRE101- Changing a Flat Tire		**Page:** 1 of 2	**Script:**
Lesson Title: Unit 1: Prepare Car and Tools		**Date:** 11/18/23	You can scan the QR code if you would like to use an interactive checklist to guide you while you practice preparing the car and tools.
File Name: U1 Assignment 1			
Frame #: 6400			
Links From Screen: Supplemental Instructional Materials (6400) **Links to Screens:**	**Screen Description:** Scannable QR cod that will take learners to an interactive checklist to use to practice preparing the car and tools.		

Click HERE to view the checklist

Screen Layout:

Background: N/A

Color Schemes: Black/white

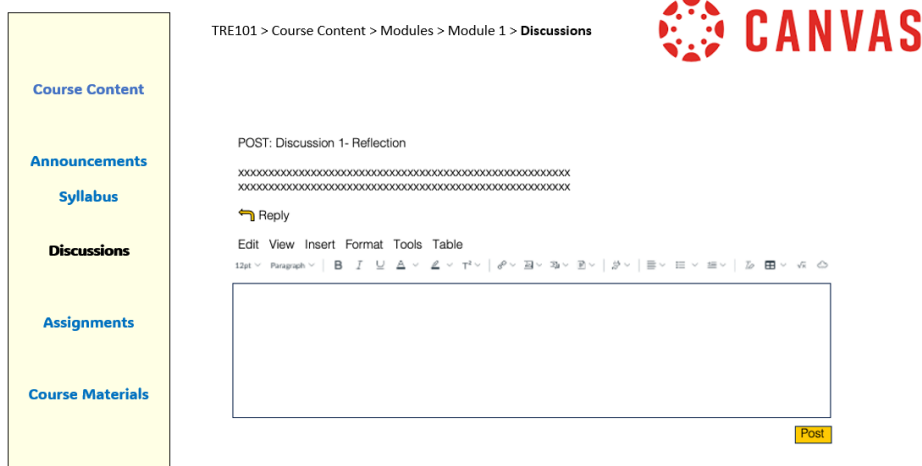**Text Attributes:** N/A

Audio: N/A

Video: N/A

Animated Gifs: N/A

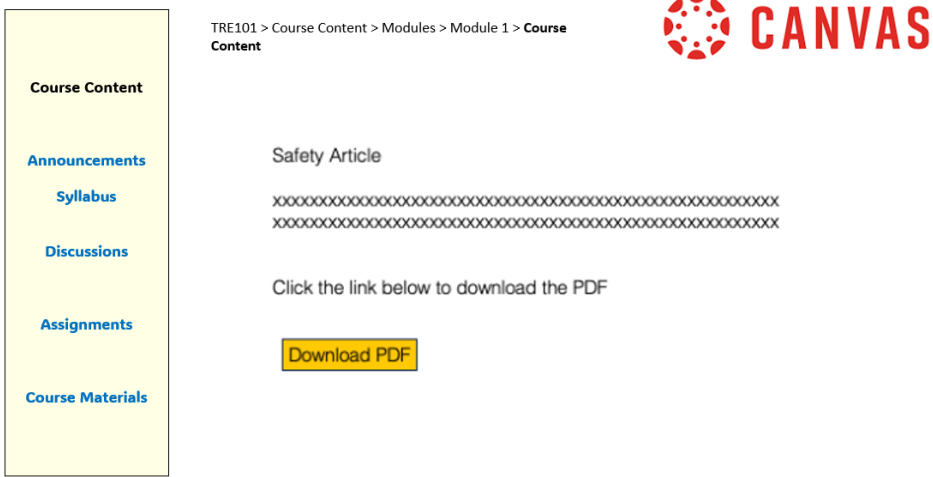**Graphic Stills**: m1banner.png

Developer's Notes:

QR codes are a very quick and easy way to access a webpage/ document/ or assignment.

Project Title: TRE101- Changing a Flat Tire Page: 1 of 1 Lesson Title: Module 1: Preparing the Car and Tools Date: 11/18/23 File Name: m1discussion.html		Script: Now that you have had the chance to watch a testimonial video about knowing the steps to change a flat tire, please reflect on your experiences you have had as a licensed driver on the road. Have you had to engage the parking brake on a vehicle? Can you identify the hazard indicator button in your vehicle? Have you been in a situation that required a vehicle jack? Do you know where the spare tire for your car is stored? Post your original reflection here, and then respond to 2 of your peers' original posts.
Frame #: 1113 **Links From Screen:** 1110 Module 1 Menu **Links To Screens:** 1113 Discussion 1	**Screen Description:** Discussion board post page where learners will type an original response to the discussion board prompt, and then reply to 2 other learner's original posts.	
Screen Layout: TRE101 > Course Content > Modules > Module 1 > **Discussions** Course Content Announcements Syllabus Discussions Assignments Course Materials CANVAS POST: Discussion 1- Reflection xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx Reply Edit View Insert Format Tools Table Post		
Background: Body Background color: #FFFFF **Color Schemes:** White/Black/Yellow **Text Attributes:** Paragraph text: Helvetica Level 3 and 4 for Headings	**Audio:** None **Video:** None **Animated Gifs:** None **Graphic Stills:** m1banner.png	
Developer's Notes: Discussion Board post pages for all modules should have the same basic layout and apply the same grounded instructional strategy		

Table 7: Sample Discussion Board Post Storyboard

Project Title: TRE101- Changing a Flat Tire Page: 1 of 1	Script:
Project Title: TRE101- Changing a Flat Tire **Page:** 1 of 1 **Lesson Title:** Course Materials: Safety Article **Date:** 11/18/23 **File Name:** course-materials.article.html	Safety is a major concern when changing a flat tire. The following article is a great resource to keep handy throughout this course. Click the link below to download the PDF.

Frame #: 6100 **Links From Screen:** 6100 Course Materials Menu **Links To Screens:** 6100 Safety Article	**Screen Description:** Page where learners can download the safety article to be used throughout the course as a reference.

Screen Layout:

Background: Body Background color: #FFFFF **Color Schemes:** White/Black/Yellow **Text Attributes:** Paragraph text: Helvetica Level 3 and 4 for Headings	**Audio:** None **Video:** None **Animated Gifs:** None **Graphic Stills:** course-materials.banner.png **Links:** safety-article.pdf	
Developer's Notes: The safety article PDF will be linked on this page. The file can be found at safety-article.pdf. You can also click <u>HERE</u> to download a copy of the safety article.		

Table 8: Sample Safety Article Storyboard