

# UX Design Document: Timetable Generator Web Application

## 1. Project Overview

**Project Name:** Mid-State Timetable Generator

**Team Members:**

- Chris Cremeens
- Joah Peterson

**Objective:**

The objective of this project is to create a web-based application to automate the generation and management of academic course timetables for instructors at Mid-State. The application will feature an intuitive user interface, focusing on ease of use, responsive design, and efficient navigation.

**Target Audience:**

School instructors who need to create and manage course timetables.

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## 2. User Personas

### 1. Instructor

- **Goal:** Easily create, view, and manage course schedules.
  - **Pain Points:** Time-consuming scheduling process, limited flexibility, potential for errors in manual input.
  - **Needs:** A user-friendly interface that simplifies the timetable creation process and allows for quick adjustments.
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## 3. User Experience Goals

- **Simplicity:** The app should provide a simple, intuitive interface that requires minimal training for users to operate effectively.
  - **Efficiency:** Enable instructors to generate timetables quickly, minimizing manual effort.
  - **Responsiveness:** The application must be responsive, ensuring usability on desktop and mobile devices. (Required Screen Sizes TBD)
  - **Consistency:** Use Mid-State's branding colors for consistency in navigation bar, header, and footer to create a professional look and feel.
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## 4. Design Principles

- **Clarity:** All labels, buttons, and navigation elements must be clear and self-explanatory.
  - **Accessibility:** Ensure that the interface follows accessibility guidelines (e.g., WCAG) to be usable by all instructors, including those with disabilities.
  - **Branding Consistency:** Apply Mid-State's branding colors to maintain consistency and professionalism. Use these for navigation bar, header, footer, and call-to-action buttons.
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## 5. UI Components

### Navigation Bar

- **Colors:** Mid-State's primary color for the background, secondary color for hover effects.
- **Links:** Home, Create Timetable, View Timetable, Settings, Logout.
- **Placement:** Fixed at the left side of the screen for easy access.

### Header

- **Logo:** Mid-State's logo aligned to the left.
- **Text:** Page title with Mid-State's branding color.

### Footer

- **Colors:** Same as the navigation bar to ensure branding consistency.
- **Content:** Links to help documentation, contact information, and terms of service. (if needed)

### Buttons

- **Primary Buttons:** Mstc Gold Branded Color
- **Secondary Buttons:** Bootstrap Secondary Class Grey

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## 6. Page Layouts

### Create Timetable Page

- **Purpose:** Enable instructors to create new timetables.
- **Key Components:** Add Tasks and Work Units To Timetable Via Drag n Drop Technology

### View Timetable Page

- **Purpose:** Allow instructors to view existing timetables.
  - **Key Components:** View Newly Created or Previously Created Timetables and Export To PDF or Excel Document
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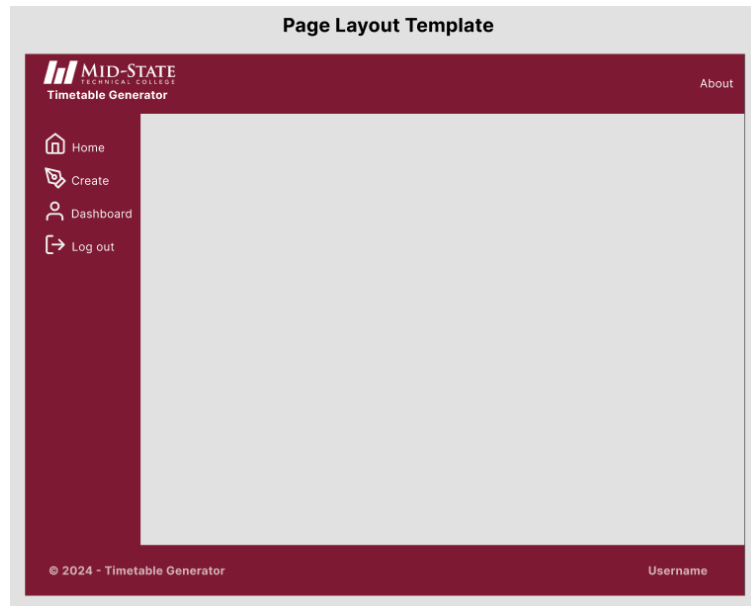
## 7. User Flow

### Create Timetable Flow:

1. Login or Register To Application
  2. Go To Dashboard And Add Personalized Task Types
  3. Go To Create TimeTable Page And Fill In Course Information
  4. Be Redirected To TimetAble Drag n Drop Page And Add WorkUnits and Tasks
  5. Go To Preview Timetable And Use Export Options
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## 8. Wireframes

### Template Wireframe



## Create Course Page Wireframe

## Course Create Page

-  Home
-  Create
-  Dashboard
-  Log out

### Add Course

Course Name

Course Description

Start Date



End Date



Course Modality



Course Term



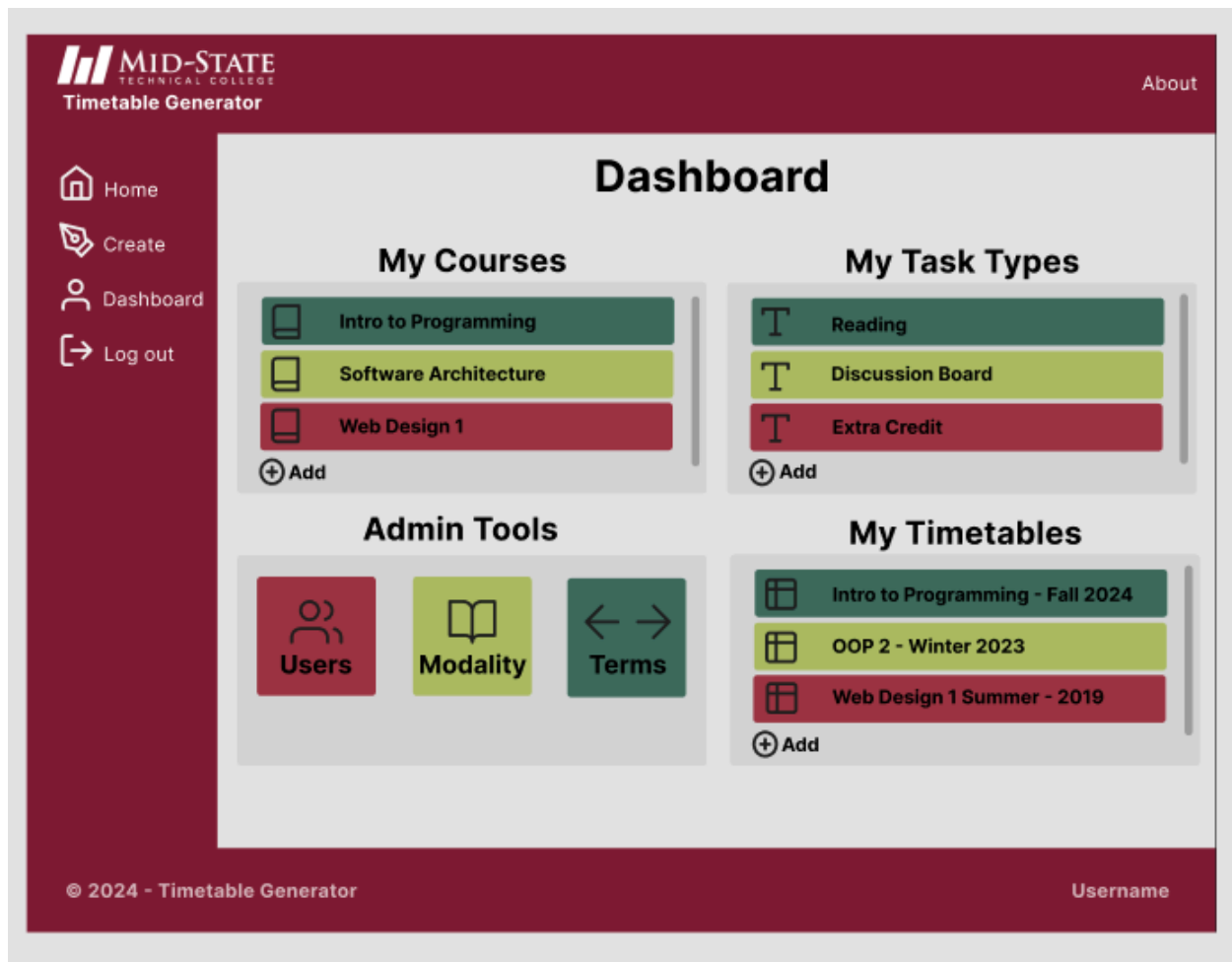
Term Duration



← Go Back





+ Add Course

## User Dashboard Page Wireframe



## Register Page Wireframe

# Register Page

-  Home
-  Create
-  Dashboard
-  Log out

## Register

 Email

 Password

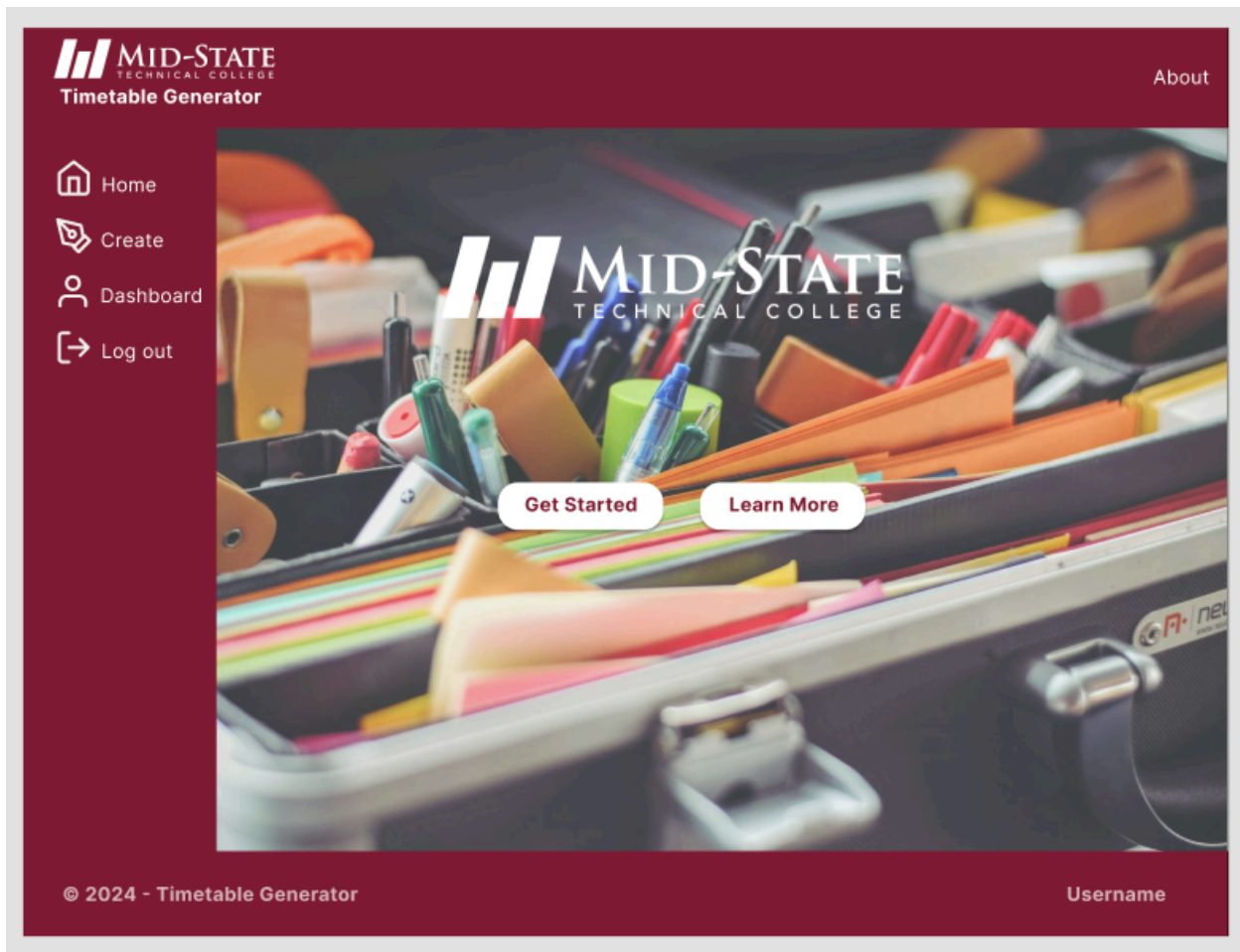
 Confirm Password

Register

or

 Register With Google

## Home Page



## 9. Color Palette

- **Primary Color (Navigation Bar, Header, Footer):** Mid-State's primary branding color.
- **Secondary Color (Buttons, Highlights):** Mid-State's secondary branding color.
- **Background Color:** Light neutral color for content areas to contrast with Mid-State's branding.

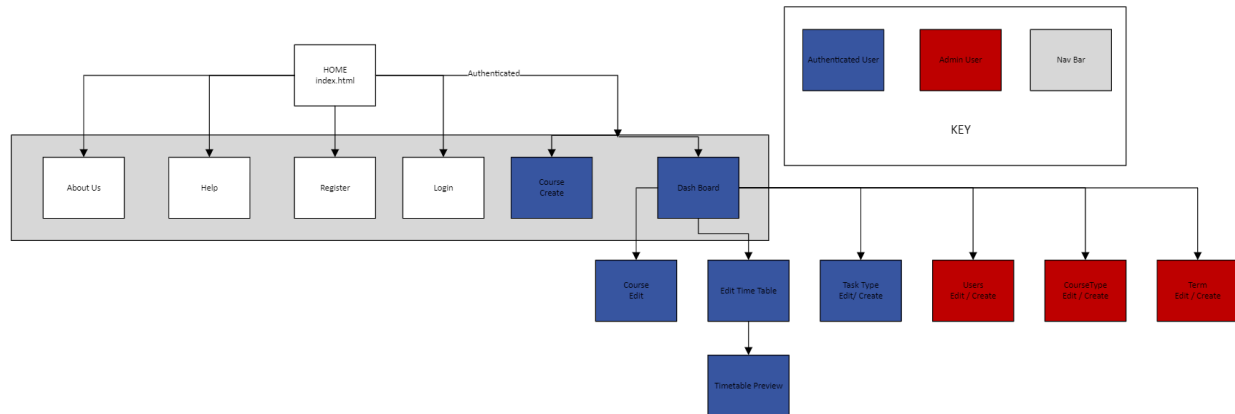
## 10. Typography

- **Header Font:** [Font Name] for headings (consistent with Mid-State's branding).
- **Body Font:** [Font Name] for body text.
- **Font Sizes:** 16px for body text, larger for headings, consistent spacing throughout.



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## 11. Site Map



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## 11. Taxonomy

- Modality- Type of Course
- Task - Assignment or classwork
- Work Unit - a segment of work ie learning plan or sprint
- Task Type- the type of assignment or activity
- Term - The term of the course ie summer, winter...
- Timetable - A timetable or schedule of the course and its workunits/tasks