Project Group:
● Project name: Registrar's Spreadsheet
● Team name: Team #8
● Members:
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Phase 3, Task B

Task B: Create forms using HTML.
You have offered your web interface as graphics in phase I. You will deliver these as HTML files this time. Give a list of HTML files for the interface. These interfaces are primarily employed to obtain user input. Both database connectivity and PHP code are not necessary for this task. We are
solely considering the interface. If necessary, you may also include JavaScript files for input validation and CSS files for styling.
• For this stage, CSS and JavaScript are not required.
• Provide HTML files that will be filled with the results of queries. There is no need to connect to the
databases to present results for this task; only note that you will do so later.
Create a file called taskB.pdf

Notes: HTML was created using Bootstrap components. Dummy info was generated to fill in cards on the Student Dashboard page and Browse Courses page. All cards are generated with the JS files for the respective pages.

<u>HTML</u>
<u>Index.html</u>

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- bootstrap css cdn -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-sRIl4kxILFvY47J16cr9ZwBO7vP4J8+LH7qKOnuqkuIAvNWLzeN8tE5YBujZ
qJLB" crossorigin="anonymous">
    <link rel="stylesheet" href="style.css" type="text/css">
    <title>Phase 3</title>
</head>
```

```html
</head>
<body>
    <!-- Navbar - basic with title -->
    <!-- As a heading -->
    <nav class="navbar bg-body-tertiary">
        <div class="container-fluid">
        <span class="navbar-brand mb-0 h1">Team 8 - Phase 3</span>
        </div>
    </nav>

    <div class="nav-btns">

        <button type="button" class="btn btn-primary redirect-signin">Sign
In</button>
        <button type="button" class="btn btn-secondary redirect-browse">Browse
Courses</button>


    </div>


    <!-- bootstrap js cdn -->
    <script src="script.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min
.js"
integrity="sha384-FKyoEForCGlyvwx9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQb
ITxI" crossorigin="anonymous"></script>
</body>
</html>
```

Signin.html

```html
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <!-- bootstrap css cdn -->
```

```html
        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-sRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZ
qJLB" crossorigin="anonymous">
        <link rel="stylesheet" href="style.css" type="text/css">
        <title>Phase 3</title>
    </head>


    <body>
        <!-- Student sign in form -->
        <form action="dashboard.html" class="student-login">
            <div class="mb-3">
                <label for="exampleInputEmail1" class="form-label">Email
address</label>
                <input type="email" class="form-control" id="exampleInputEmail1"
aria-describedby="emailHelp">
            </div>
            <div class="mb-3">
                <label for="exampleInputPassword1"
class="form-label">Password</label>
                <input type="password" class="form-control"
id="exampleInputPassword1">
            </div>
            <button type="submit" class="btn btn-primary">Submit</button>
        </form>


        <!-- bootstrap js cdn -->
        <script src="script.js"></script>
        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min
.js"
integrity="sha384-FKyoEForCGlyvwx9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQb
ITxI" crossorigin="anonymous"></script>
    </body>
</html>
```

Dashboard.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- bootstrap css cdn -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-sRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZ
qJLB" crossorigin="anonymous">
    <link rel="stylesheet" href="style.css" type="text/css">
    <title>Student Dashboard</title>
</head>
<body>

    <nav class="navbar navbar-expand-lg bg-body-tertiary">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">Student Dashboard</a>
            <button class="navbar-toggler" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent"
aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarSupportedContent">
                <ul class="navbar-nav me-auto mb-2 mb-lg-0 dashboard-list">
                    <li class="nav-item dashboard-nav-item">
                        <a class="nav-link" aria-current="page"
href="index.html">Home</a>
                    </li>
                    <li class="nav-item dashboard-nav-item">
                        <a class="nav-link" href="browse-courses.html">Browse
Courses</a>
```

```html
                </li>
                <li class="nav-item dashboard-nav-item">
                    <a class="nav-link" href="#">My Grades</a>
                </li>
            </ul>
        </div>
    </div>
  </nav>

  <main class="container mb-5">
      <div class="mb-3">
          <span class="text-muted" id="courseCount"></span>
      </div>

      <!-- Course blocks (grid system) -->
    <div class="row row-cols-1 row-cols-sm-2 row-cols-md-3 row-cols-xl-4
g-4" id="coursesGrid">

      </div>
  </main>

  <script src="script.js"></script>
  <script src="dashboard.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min
.js"
integrity="sha384-FKyoEForCGlyvwx9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQb
ITxI" crossorigin="anonymous"></script>

</body>
</html>
```

Browse-courses.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- bootstrap css cdn -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-sRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZ
qJLB" crossorigin="anonymous">
    <link rel="stylesheet" href="style.css" type="text/css">
    <title>Browse Courses</title>
</head>
<body>

    <nav class="navbar navbar-expand-lg bg-body-tertiary">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">Course Catalog</a>
            <button class="navbar-toggler" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent"
aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarSupportedContent">
                <ul class="navbar-nav me-auto mb-2 mb-lg-0 dashboard-list">
                    <li class="nav-item dashboard-nav-item">
                        <a class="nav-link" aria-current="page"
href="index.html">Home</a>
                    </li>
                    <li class="nav-item dashboard-nav-item">
                        <a class="nav-link" href="dashboard.html">Dashboard</a>
                    </li>
```

```html
                <li class="nav-item dashboard-nav-item">
                    <a class="nav-link" href="#">My Grades</a>
                </li>
            </ul>
        </div>
    </div>
    </nav>

    <main>
        <!-- Sticky filter bar -->
        <div class="filter-bar-wrapper">
            <div class="filter-bar">
                <div class="filter-group">
                    <label for="levelFilter">Course Level</label>
                    <select id="levelFilter">
                        <option value="all">All levels</option>
                        <option value="AP">AP</option>
                        <option value="Honors">Honors</option>
                        <option value="On Level">On Level</option>
                    </select>
                </div>

                <div class="filter-group">
                    <label for="subjectFilter">Subject</label>
                    <select id="subjectFilter">
                        <option value="all">All subjects</option>
                    </select>
                </div>

                <button class="clear-btn" id="clearFiltersBtn">Clear
filters</button>
            </div>
        </div>

        <!-- Results section -->
        <section class="courses-section">
            <div class="summary" id="summaryText"></div>
            <div id="coursesContainer" class="courses-grid"></div>
```

```html
      </section>
    </main>


    <script src="script.js"></script>
    <script src="browse-courses.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min
.js"
integrity="sha384-FKyoEForCGlyvwx9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQb
ITxI" crossorigin="anonymous"></script>


</body>
</html>
```

JavaScript Files:

script.js

```javascript
// Page redirection
const redirectSignin = document.querySelectorAll('.redirect-signin');

redirectSignin.forEach(button => {
    button.addEventListener('click', () => {
        window.location.href = 'signin.html';
    });
});

const redirectBrowse = document.querySelectorAll('.redirect-browse');

redirectBrowse.forEach(button => {
    button.addEventListener('click', () => {
        window.location.href = 'browse-courses.html';
    });
});
```

browse-courses.js

```javascript
//Course browser js
```

```javascript
//Dummy info array (generated data will change once csv is created)
const courses = [
    { code: "ENG1", name: "English I", level: "On Level", subject: "English",
grade: "9", credits: 1 },
    { code: "ENG1H", name: "English I Honors", level: "Honors", subject:
"English", grade: "9", credits: 1 },
    { code: "ENG2AP", name: "AP English Language & Composition", level: "AP",
subject: "English", grade: "11", credits: 1 },

    { code: "ALG1", name: "Algebra I", level: "On Level", subject: "Math",
grade: "9", credits: 1 },
    { code: "GEOMH", name: "Geometry Honors", level: "Honors", subject: "Math",
grade: "9-10", credits: 1 },
    { code: "CALCAP", name: "AP Calculus AB", level: "AP", subject: "Math",
grade: "11-12", credits: 1 },

    { code: "BIO1", name: "Biology", level: "On Level", subject: "Science",
grade: "9-10", credits: 1 },
    { code: "BIO1H", name: "Biology Honors", level: "Honors", subject:
"Science", grade: "9-10", credits: 1 },
    { code: "CHEMAP", name: "AP Chemistry", level: "AP", subject: "Science",
grade: "11-12", credits: 1 },

    { code: "WHIST", name: "World History", level: "On Level", subject: "Social
Studies", grade: "10", credits: 1 },
    { code: "USHISAP", name: "AP U.S. History", level: "AP", subject: "Social
Studies", grade: "11", credits: 1 },

    { code: "SPAN1", name: "Spanish I", level: "On Level", subject: "World
Languages", grade: "9-11", credits: 1 },
    { code: "SPAN2H", name: "Spanish II Honors", level: "Honors", subject:
"World Languages", grade: "10-12", credits: 1 },
    { code: "SPANAP", name: "AP Spanish Language", level: "AP", subject: "World
Languages", grade: "11-12", credits: 1 },

    { code: "ART1", name: "Art I", level: "On Level", subject: "Fine Arts",
grade: "9-12", credits: 1 },
```

```javascript
    { code: "CSAP", name: "AP Computer Science Principles", level: "AP",
subject: "Technology", grade: "10-12", credits: 1 }
];

//get html elements by class
const levelFilter = document.getElementById("levelFilter");
const subjectFilter = document.getElementById("subjectFilter");
const coursesContainer = document.getElementById("coursesContainer");
const summaryText = document.getElementById("summaryText");
const clearFiltersBtn = document.getElementById("clearFiltersBtn");

//init dropdown - populate based on data (dummy)
function subjectOptions() {
    const subjects = Array.from(new Set(courses.map(c => c.subject)));
    subjects.forEach(subject => {
        const option = document.createElement("option");
        option.value = subject;
        option.textContent = subject;
        subjectFilter.appendChild(option);
    });
}

//filter courses
function getFilteredCourses() {
    const level = levelFilter.value;
    const subject = subjectFilter.value;

    return courses.filter(course => {
        const matchesLevel = (level === "all") || (course.level === level);
        const matchesSubject = (subject === "all") || (course.subject ===
subject);
        return matchesLevel && matchesSubject;
    });
}

// render course cards
function renderCourses() {
    const filtered = getFilteredCourses();
```

```javascript
    coursesContainer.innerHTML = "";

    //summary
    const levelLabel = levelFilter.value === "all" ? "All levels" :
levelFilter.value;
    const subjectLabel = subjectFilter.value === "all" ? "All subjects" :
subjectFilter.value;
    summaryText.textContent = `${filtered.length} course(s) matching:
${levelLabel}, ${subjectLabel}`;

    if (filtered.length === 0) {
      coursesContainer.innerHTML =
      `<div class="no-results">
        No courses match your filters. Try selecting a different level or
subject.
      </div>`;
      return;
    }

    filtered.forEach(course => {
      const card = document.createElement("article");
      card.className = "course-card";

      card.innerHTML =
      `<div class="course-title-row">
        <div>
          <div class="course-name">${course.name}</div>
          <div class="course-code">${course.code}</div>
        </div>
      </div>
      <div class="badge-row">
        <span class="badge badge-level">${course.level}</span>
        <span class="badge">${course.subject}</span>
        <span class="badge badge-grade">Grade: ${course.grade}</span>
      </div>
      <div class="course-details">
        A ${course.level.toLowerCase()} ${course.subject.toLowerCase()}
course worth ${course.credits} credit(s).
```

```javascript
        </div>`;

      coursesContainer.appendChild(card);
  });
}

//clear filters
function clearFilters() {
    levelFilter.value = "all";
    subjectFilter.value = "all";
    renderCourses();
}

//listeners for change and click
levelFilter.addEventListener("change", renderCourses);
subjectFilter.addEventListener("change", renderCourses);
clearFiltersBtn.addEventListener("click", clearFilters);

// generate courses
subjectOptions();
renderCourses();
```

dashboard.js

```javascript
//Student Dashboard
//card generation
//sample course array (dummy data generated)
const currentCourses = [
    {
        name: "AP Calculus AB",
        professor: "Dr. Nguyen",
        grade: "95 (A)",
        term: "Spring 2026"
    },
    {
        name: "English III Honors",
        professor: "Ms. Carter",
        grade: "88 (B+)",
        term: "Spring 2026"
```

```javascript
  },
  {
    name: "Physics",
    professor: "Mr. Lopez",
    grade: "91 (A-)",
    term: "Spring 2026"
  },
  {
    name: "U.S. History",
    professor: "Mrs. Patel",
    grade: "89 (B+)",
    term: "Spring 2026"
  },
  {
    name: "Spanish II",
    professor: "Mr. Ramirez",
    grade: "93 (A)",
    term: "Spring 2026"
  },
  {
    name: "Computer Science I",
    professor: "Ms. Kim",
    grade: "100 (A+)",
    term: "Spring 2026"
  }
];

//images
const COURSE_IMAGE_PATH = "./course-images/";
  const COURSE_IMAGES = [
    "course1.jpg",
    "course2.jpg",
    "course3.jpg",
    "course4.jpg",
    "course5.jpg",
    "course6.jpg"
  ];
  function getRandomImage() {
```

```javascript
        const index = Math.floor(Math.random() * COURSE_IMAGES.length);
        return COURSE_IMAGE_PATH + COURSE_IMAGES[index];
    }

//dashboard function
function renderDashboard() {
    const grid = document.getElementById("coursesGrid");
    const countLabel = document.getElementById("courseCount");

    grid.innerHTML = "";

    countLabel.textContent = `${currentCourses.length} course(s) this term`;

    currentCourses.forEach((course) => {
      const col = document.createElement("div");
      col.className = "col";

      const imgSrc = getRandomImage();

      col.innerHTML = `
        <div class="card course-card h-100">
          <img src="${imgSrc}" class="card-img-top" alt="Course image" />
          <div class="card-body">
            <div class="grade-pill">
              ${course.grade}
            </div>
            <h5 class="card-title mb-1">${course.name}</h5>
            <p class="course-subtext mb-1">Instructor: ${course.professor}</p>
            <p class="term-text mb-3">${course.term}</p>
            <a href="#" class="btn btn-sm btn-primary">Go to course</a>
          </div>
        </div>
      `;

      grid.appendChild(col);
    });
}
```

```
  renderDashboard();
```

CSS Sheet
Style.css

```css
/* Main Page CSS*/

.nav-btns {
    display: flex;
    justify-content: center;
    align-content: center;
    place-items: center;
    margin: 0 auto;
    height: 100vh;
}

.btn {
    margin: 2%;
    padding: 2.5%;
}



/* student sign in page css */
.student-login {
    padding: 20%;
    align-content: center;
}

/* Dashboard CSS */
.dashboard-list {
    padding-left: 50%;
    margin-left: 0%;
}

.dashboard-nav-item {
    margin-left: 5%;
    display: flex;
    justify-content: center;
    align-content: center;
    width: 10rem;
```

```css
}

.course-card {
    border-radius: 0.75rem;
    overflow: hidden;
    box-shadow: 0 2px 6px rgba(15, 23, 42, 0.16);
    border: none;
}

.course-card img {
    height: 140px;
    object-fit: cover;
}

.course-card .card-body {
    position: relative;
}

.course-badge {
    font-size: 0.75rem;
}

.grade-pill {
    position: absolute;
    top: -14px;
    right: 12px;
    padding: 0.25rem 0.7rem;
    border-radius: 999px;
    font-size: 0.8rem;
    background-color: #111827;
    color: #f9fafb;
}

.course-subtext {
    font-size: 0.85rem;
    color: #6b7280;
}
```

```css
.term-text {
    font-size: 0.78rem;
    color: #9ca3af;
}

/* Course search css */
.filter-bar-wrapper {
    position: sticky;
    top: 0;
    z-index: 50;
    background: #111827;
    padding: 1rem;
}

.filter-bar {
    margin: 0 1.5rem;
    margin-top: 0.75rem;
    padding: 0.75rem 1rem;
    background: #f9fafb;
    border-radius: 999px;
    display: flex;
    flex-wrap: wrap;
    gap: 0.75rem;
    align-items: center;
    box-shadow: 0 4px 12px rgba(15, 23, 42, 0.25);
}

.filter-group {
    display: flex;
    flex-direction: column;
    gap: 0.25rem;
    font-size: 0.8rem;
}

.filter-group label {
    text-transform: uppercase;
    letter-spacing: 0.08em;
```

```css
    font-weight: 600;
    color: #6b7280;
}

.filter-group select {
    min-width: 150px;
    padding: 0.4rem 0.6rem;
    border-radius: 999px;
    background: #ffffff;
    font-size: 0.9rem;
    outline: none;
}

.filter-group select:focus {
    border-color: #4f46e5;
    box-shadow: 0 0 0 2px rgba(79, 70, 229, 0.25);
}

.clear-btn {
    margin-left: auto;
    padding: 0.45rem 0.9rem;
    border-radius: 999px;
    border: none;
    font-size: 0.85rem;
    background: #e5e7eb;
    cursor: pointer;
    white-space: nowrap;
}

.clear-btn:hover {
    background:rgba(15, 23, 42, 0.863);
    color: white;
}

.courses-section {
    padding: 1.5rem;
}
```

```css
.summary {
  font-size: 0.9rem;
  color: #4b5563;
  margin-bottom: 1rem;
}

.courses-grid {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(260px, 1fr));
  gap: 1rem;
}

.course-card {
  background: white;
  border-radius: 1rem;
  padding: 0.9rem 1rem;
  box-shadow: 0 1px 4px rgba(15, 23, 42, 0.12);
  border: 1px solid #e5e7eb;
  display: flex;
  flex-direction: column;
  gap: 0.4rem;
}

.course-title-row {
  display: flex;
  justify-content: space-between;
  align-items: baseline;
  gap: 0.5rem;
}

.course-name {
  font-weight: 600;
}

.course-code {
  font-size: 0.8rem;
  color: #6b7280;
}
```

```css
.badge-row {
  display: flex;
  gap: 0.35rem;
  flex-wrap: wrap;
  margin-top: 0.15rem;
}

.badge {
  font-size: 0.75rem;
  padding: 0.15rem 0.6rem;
  border-radius: 999px;
  background: #eff6ff;
  color: #1d4ed8;
  border: 1px solid #bfdbfe;
}

.badge-level {
  background: #eef2ff;
  color: #4f46e5;
  border-color: #c7d2fe;
}

.badge-grade {
  background: #ecfdf3;
  color: #15803d;
  border-color: #bbf7d0;
}

.course-details {
  font-size: 0.85rem;
  color: #4b5563;
  margin-top: 0.4rem;
  line-height: 1.4;
}

.course-meta {
  font-size: 0.8rem;
```

```css
    color: #6b7280;
    margin-top: 0.25rem;
}

.no-results {
    padding: 2rem 1rem;
    text-align: center;
    color: #6b7280;
    font-size: 0.95rem;
}
```