

 <p>Campus Santa Fe</p> <p>Departamento de Computación</p>	<p>Materia y grupo: TC2026-1 Desarrollo de aplicaciones web</p> <p>Profesor: Juan Velez Ballesteros</p> <p>Evaluación Primer Parcial</p> <p>Fecha:</p> <p>Nombre: _____</p> <p>Matrícula: _____</p>
	<p>Calificación:</p>

“Apegándome al Código de Ética de los Estudiantes del Tecnológico de Monterrey, me comprometo a que mi actuación en este examen esté regida por la honestidad académica. En congruencia con el compromiso adquirido al firmar dicho código, realizaré este examen de forma honesta y personal, para reflejar, a través de él, mi conocimiento y aceptar, posteriormente, la evaluación obtenida.”

- Explain the problem you want to solve with you web application. (10pts)
 - Justify with innovative ideas
 - List and explain similar solutions on the market.
 - Identify the roles, users or players involved in the solution
 - Identify the value generated by your project idea for each user listed.
 - Identify a third-party API like spotify, facebook, etc.
- Create a functional prototype based on your proposed solution. You must use HTML5, Sass, Bootstrap, and CSS3
 - a. The **HTML5** must be well formed and validated in W3C, you must add for every screen (HTML) a screenshot that the w3c test is passed. (10 pts)
 - i. Implement images
 - ii. Different typography.
 - iii. Glyphicons.
 - b. **Bootstrap**. The prototype MUST be responsive (mobile first) (10pts)
 - i. You must use the bootstrap grid system. Please consider solution for small (horizontal and vertical), medium, and large screens.
 - c. **Sass** files that personalized the style of your application. The style must be done by yourself, you can use a basic template but it MUST be modified and extend for your project. (10pts)

- d. **Functionality and user support:** you must include in all buttons a “basic functionality”; you must include a Toast or snackbar, modals, sliders, tooltips, scroll, images (10 pts)
- e. **Navigation bar:** you must use a navigation bar customized for mobiles and desktop. (10pts)
- f. **Forms:** You must implement bootstrap forms. (20pts)
 - i. Use Textfields, checkbox, dropdowns, etc.
 - ii. Use HTML5 validations and input types
- g. **Main screen:** Create a main screen with a carousel and images(10pts)
- h. **Login / Logout screen:** Implement a login and logout screen.(10pts)

Remember that its only HTML5 and SASS /CSS you don't need to implement any complex functionality with JS or angular.

You must implement a screen flow to understand how your application will work. All screen must have a flow and data transformation.

You must have a 10 minutes' demo. Please submit before the demo the code in a Bitbucket repo please include me as a collaborator (juanvelez@tec.mx) or a github (juanvelezballesteros@gmail.com)

The documentation must be submitted to Blackboard before class.

Total 100 pts.