

Final Submission (including marking scheme)

Due Jun 14 by 23:59 **Points** 180 **Submitting** a file upload **File Types** zip
Available Jun 4 at 0:00 - Jun 15 at 1:00 11 days

This assignment was locked Jun 15 at 1:00.

You will be recording a video, discussing and showing the features and functionality of your web application.

The marker will review the video and give you a mark based on the following criteria:

- Style and Aesthetics
- Usability and Accessibility
- Task Implementation
- User Management
- Feature (QR Code/GPS/Email)

You will then zip and submit your work to this submission page. A marker will review your final product in further detail and assign an additional set of marks based on the following criteria:

- Static Elements
- Client-Side JavaScript & AJAX
- Server & Routes
- Data Storage & Persistence
- Standards Compliance & Maintainability
- Performance
- Security
- Overall Quality

As well as submitting your work as a ZIP file, you will need to provide the markers with access to your CS50 IDE. You can do so by:

1. Use the Share option in the top-right corner of the IDE
2. Share your workspace with the github account `wdc-marker-uofa`
3. Copy the link under **How to Access**
4. Include the copied link in your submission comments when submitting.
5. Include **user credentials** for logging in each type of user to your site (user/manager etc) in your submission comments when submitting.

Your final mark will be out of 180 and will be available in your final course grade.

You can review the criteria in more detail below.

Final Submission (2021)

Criteria	Ratings						Pts		
Style & Aesthetics	10 to >8.4 pts HD You have provided a visually appealing and consistent website.	8.4 to >7.4 pts D You have provided a visually appealing or clear & consistent website.		7.4 to >6.4 pts C You have provided a clear website with reasonable style.		6.4 to >4.9 pts P You have provided a consistent, acceptably styled website.	4.9 to >0 pts Not Met Website lacks consistent style.	10 pts	
Usability & Accessibility	10 to >8.4 pts HD Your website is easily accessible, minimising kinematic/cognitive loads, addressing usability and accessibility issues.		8.4 to >7.4 pts D Your website is accessible, reducing kinematic/cognitive loads, addressing usability and accessibility issues.		7.4 to >6.4 pts C Your website is accessible, addressing usability and accessibility issues.		6.4 to >4.9 pts P You have given basic consideration to usability/accessibility in their implementation.	4.9 to >0 pts Not Met The website is not straight-forwardly usable/accessible.	10 pts
Check-In and Hotspot Implementation	15 to >12.6 pts HD A user can easily and seamlessly check in and view their history and hotspots. Venue Managers can easily view check-in history for their venue. Admins/Health Officials can easily and seamlessly manage hotspots and view check-ins for users and venues.	12.6 to >11.1 pts D A user can easily check in and view their history and hotspots. Venue Managers can easily view check-in history for their venue. Admins/Health Officials can easily manage hotspots and view check-ins for users and venues.		11.1 to >9.6 pts C A user can check in and view their history and hotspots. Venue Managers can access check-in history for their venue. Admins/Health Officials can manage hotspots and view check-ins for users and venues.		9.6 to >7.35 pts P A user can check in and view their history. Admins/Health Officials view check-ins for users and venues.		7.35 to >0 pts Not Met Users/Managers/Admins/Officials cannot check in and/or interact with the system in any useful way, or the implementation is non-functional.	15 pts
User Management	10 to >8.4 pts HD Users can easily sign-up, log-in using OpenID, and update their details & preferences, as appropriate for their roles. Venue managers can manage their venue details as appropriate.		8.4 to >7.4 pts D Users can sign-up, log-in, and update their details, preferences as appropriate for their roles. Venue managers can manage their venue details as appropriate.		7.4 to >6.4 pts C Users can sign-up, log-in, and update their details & preferences. Venue managers can manage their venue details.		6.4 to >4.9 pts P Users can log in and may be able to update basic details.	4.9 to >0 pts Not Met User management not functional.	10 pts

Criteria	Ratings						Pts
Extra Feature (QR Code/GPS/Email)	10 to >8.4 pts HD Users, can seamlessly check in via QR code/GPS, or choose to receive useful email notifications regarding hotspots and whether they are affected.	8.4 to >7.4 pts D Users, can easily check in via QR code/GPS, or choose to receive email notifications regarding hotspots and whether they are affected.	7.4 to >6.4 pts C Users, can check in via QR code/GPS, or receive email notifications regarding hotspots.	6.4 to >4.9 pts P Users can, with some difficulty, check in via QR code/GPS, or choose to receive email notifications regarding hotspots. These may/may not contain useful information.	4.9 to >0 pts Not Met Extra feature not implemented to a usable level.	10 pts	
Static Elements	15 to >12.7 pts HD You have made effective use of static elements (HTML, CSS), demonstrating clear understanding. Third-party libraries and frameworks, where used, are integrated seamlessly.	12.7 to >11.2 pts D You have made effective use of static elements (HTML, CSS), demonstrating clear understanding.	11.2 to >9.7 pts C You have made good use of static elements (HTML, CSS).	9.7 to >7.4 pts P You have made reasonable use of static elements (HTML, CSS).	7.4 to >0 pts Not Met Static elements are not used appropriately or do not display correctly.	15 pts	
Client-Side JavaScript/Vue & AJAX	15 to >12.7 pts HD Your website makes extensive use of JavaScript/Vue to provide dynamic content on the client side. AJAX is also used extensively. Third party APIs are integrated well.	12.7 to >11.2 pts D Your website makes extensive use of JavaScript/Vue to provide dynamic content on the client side. AJAX is used throughout.	11.2 to >9.7 pts C Your website makes use of JavaScript to provide dynamic content on the client side. AJAX is also used for key data.	9.7 to >7.4 pts P Your website makes use of JavaScript to provide dynamic content on the client side.	7.4 to >0 pts Not Met Pages are mostly static.	15 pts	
Server & Routes	20 to >16.94 pts HD Your website uses well structured GET, POST and middleware (where applicable) to provide dynamic content to the client. Server sessions and APIs are effectively and correctly used.	16.94 to >14.94 pts D Your website uses GET and POST request to provide dynamic content to the client. Server sessions and APIs are effectively and correctly used.	14.94 to >12.94 pts C Your website uses GET & POST requests to provide dynamic content to the client. Sessions are used.	12.94 to >9.87 pts P Your website uses GET and/or POST requests for essential tasks, but lack more complex routes.	9.87 to >0 pts Not Met An Express Server, router not used to a reasonable degree.	20 pts	

Criteria	Ratings						Pts
Data Storage & Persistence	20 to >16.94 pts HD Data is stored in a well planned and structured database, and accessed/updated with clear and properly planned queries. Data is appropriately sanitized.	16.94 to >14.94 pts D Data is stored in a well structured database, and accessed/updated with clear and properly planned queries. Data is appropriately sanitized.	14.94 to >12.94 pts C Data is stored in a database, and accessed with clear queries.	12.94 to >9.87 pts P Important data is stored in a database, however the database is only very basic.	9.87 to >0 pts Not Met Database not used, or insufficient.	20 pts	
Standards Compliance & Maintainability	15 to >12.6 pts HD The site passes validation and linting. The code/markup is well structured, and of a good quality. Good file structure and code re-usability have been taken advantage of.	12.6 to >11.1 pts D The site passes validation and linting. The code/markup is well structured, and of a good quality.	11.1 to >9.6 pts C The site passes validation and linting. Code has been reasonably structured/commented.	9.6 to >7.35 pts P The site passes validation or linting, but code is poorly organised and lacks maintainability.	7.35 to >0 pts Not Met Insufficient attention has been given to ensuring code is standards compliant or maintainable.	15 pts	
Performance	10 to >8.4 pts HD You have given clear consideration to maximising performance . The site loads quickly and resources are optimised for reduced server and network load.	8.4 to >7.4 pts D The site loads quickly and resources are optimised for reduced server and network load.	7.4 to >6.4 pts C The site loads quickly and is not bloated.	6.4 to >4.9 pts P The site performs reasonably. Little consideration has been given to performance.	4.9 to >0 pts Not Met The site performs poorly, is bloated, or places excessive load on the server/network.	10 pts	
Security	15 to >12.6 pts HD You have ensured that your site follows best practices for storage and management of sensitive user data, user management & input validation. Common threats such as SQL injection and XSS are mitigated against.	12.6 to >11.1 pts D You have ensured that your site follows best practices for user management & input validation. Common threats such as SQL injection and XSS are mitigated against.	11.1 to >9.6 pts C You have ensured that your site follows best practices for user management & input validation.	9.6 to >7.35 pts P You have ensured that your implements standard security practices for user management.	7.35 to >0 pts Not Met The website is not sufficiently secure.	15 pts	

Criteria	Ratings					Pts
Video Presentation	5 to >2.4 pts Satisfactory A clear and concise presentation that demonstrates all key features. The first 5 marking criteria will be mainly assessed based on this video.	2.4 to >0.0 pts Not Met Your presentation doesn't appropriately demonstrate the features, or does not do so within the time limit. It is possible that some features of your web application may have been overlooked while marking other sections as a result. **Marks for such features are considered forfeit**			0 pts Missing No Video is Provided	5 pts
Overall Quality	10 to >8.4 pts HD You have excelled throughout the submission, producing an exceptional quality web app that may include unique additional features or innovations.	8.4 to >7.4 pts D You have excelled in part of the submission producing a high quality, very well polished web app.	7.4 to >6.4 pts C You have provided a high-quality and well-polished web application.	6.4 to >4.9 pts P You have provided a reasonable web application.	4.9 to >0 pts Not Met The work submitted lacks overall quality and polish, despite its general functionality.	10 pts
Total Points: 180						