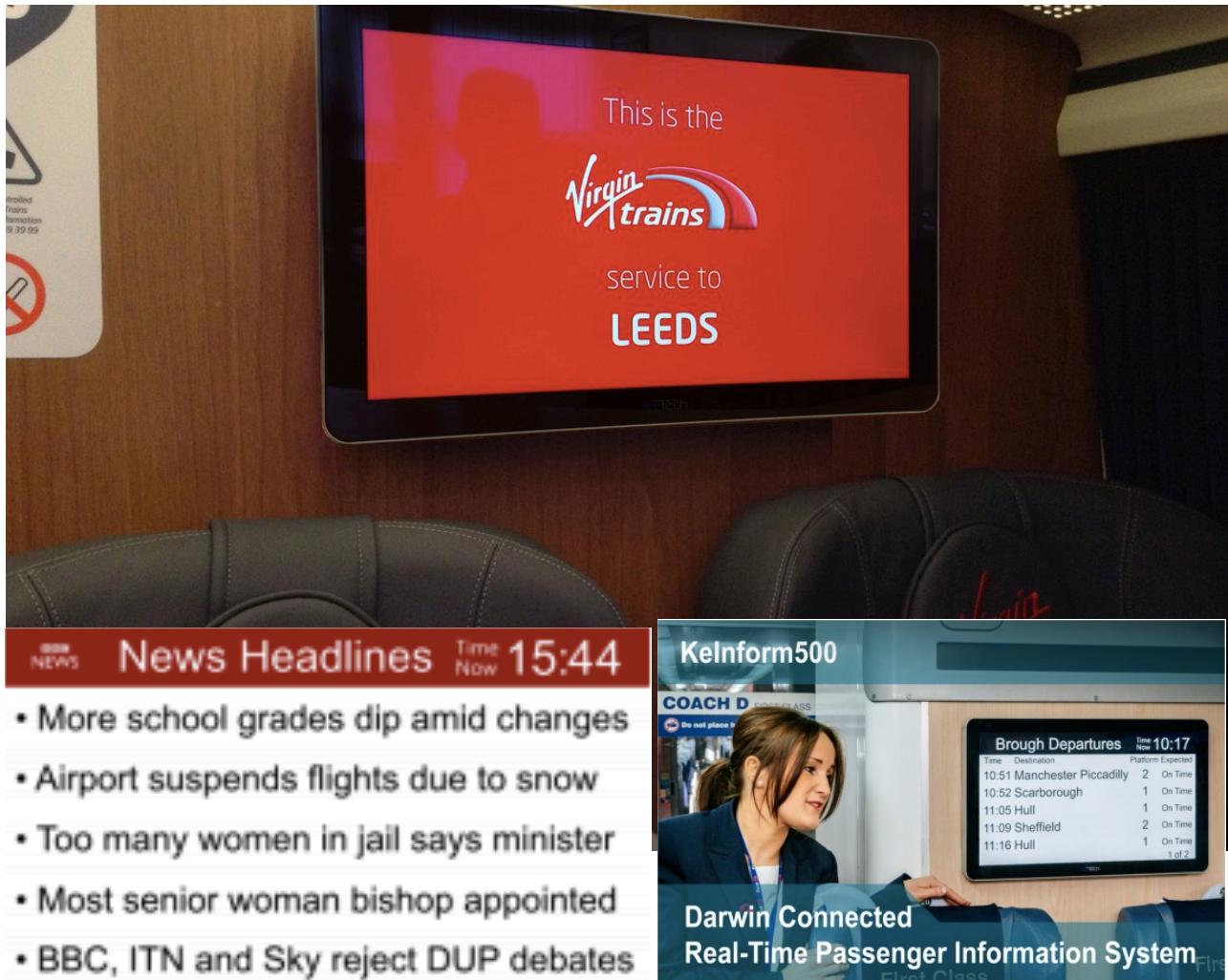


Kelinform500 In-Train News



"*Kelinform500 is a dynamic, multi-faceted, wireless, real time passenger information system which offers flexible, accurate and consistent information, allowing passengers to make informed choices about their journey.*"

The company KeTech have approached you for help with upgrading their [Kelinform500](#) system used in passenger trains.

The client would like to extend the system by adding a minor part that is capable of showing news segments as small animated bulletins. This would offer passengers with small pieces of current news while they travel. They are currently negotiating an agreement with BBC to provide an API access to their news.

Level: Difficult

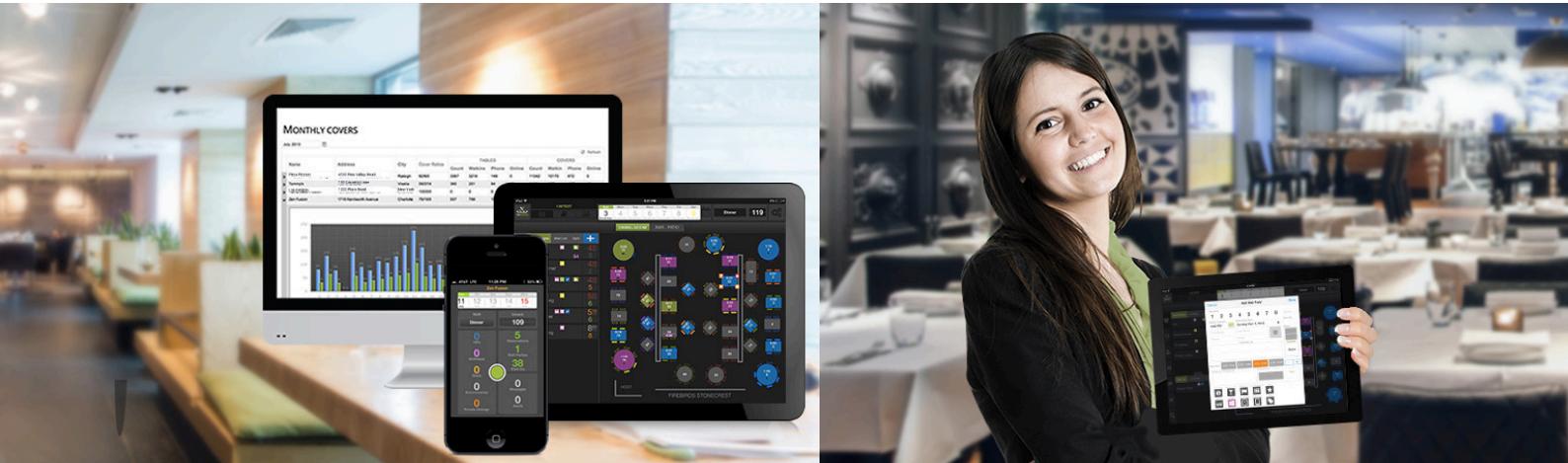
Tasks

- Develop a webpage that is capable of displaying news data as bulletings
- Animate the bulletings as they enter and exit the screen
- Design the amount of content shown per bulleting (e.g. should it only be a title? Should it have images? How many items to show at a time and for how long?)

Hint: Since access to the API is not available at the moment, you are encouraged to use the content from the BBC website in your mockup.

Level: Very difficult

NexTable table booking



"NexTable is a next generation, cloud based, reservation and table management system for the iPad. Intuitive and easy to use, it encompasses every aspect of restaurant/hospitality management."

The company NexTable have approached you for help with developing a new POS (Point Of Sale) solution for them where they would like to port their table booking software from iPad to a Desktop platform.

This system is meant to be installed in the restaurant and handled by all the staff members.

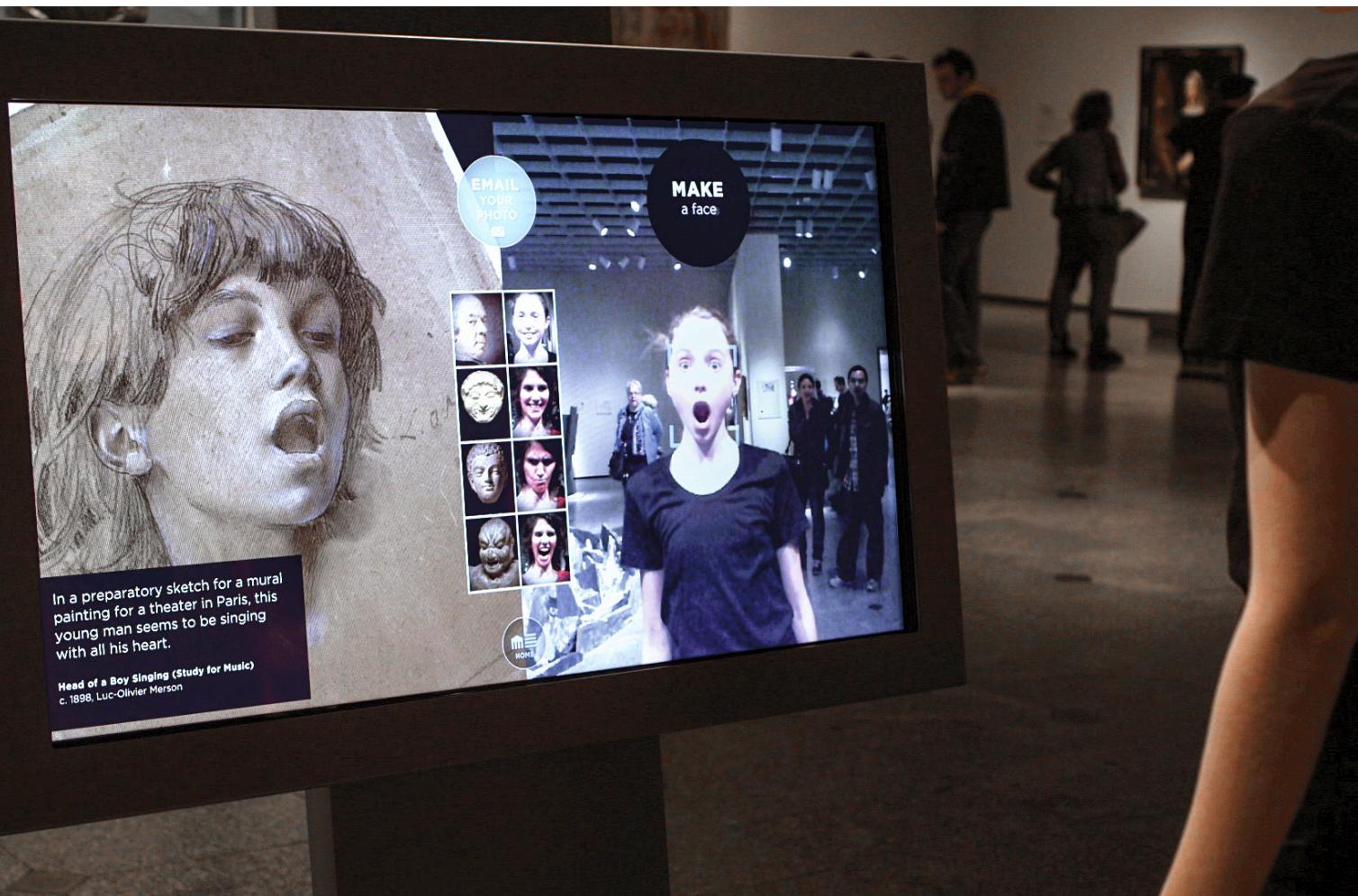
Tasks

- Create a visual overview of the tables
- Add ability to mark a table as free, busy or reserved
- Show a summary of how many free tables there will be in 10 mins, 20 mins and 40 mins (calculating with an average of 1.5 hours per busy table)

Hint: You don't need to add admin functionality such as changing the layout of the tables.

Level: You gotta be kidding me!

Make this face - Interactive art



"The MFA is one of the most comprehensive art museums in the world; the collection encompasses nearly 450,000 works of art. We welcome more than one million visitors each year to experience art from ancient Egyptian to contemporary, special exhibitions, and innovative educational programs."

The Managing Director of the [Museum of Fine Arts](#) in Boston has come up with a concept for an interactive display stand they would like to have developed. Watching her grandchildren reacting to the museum's paintings and mimicking the back at the paintings, she came up with the idea to encourage this behaviour and make it into an opportunity to think about the changes in the human expression during the history of arts.

Level: You gotta be kidding me!

Tasks

- Use browser camera to take pictures and show them on screen
- Gather images of art and cut out the faces to prepare them for use in this system.
- Display a random image of an art face and show the camera snap next to it
- Show the latest 4 people's faces and their corresponding art faces
- Optimize for touch displays
- [Optional] Make a Facebook share option

Hint: use a javascript library to handle the camera, like <https://github.com/jhuckaby/webcamjs> or https://github.com/amw/jpeg_camera