## Research

**All these sites have used the following web specifications**
**- High resolution time** (an API that provides the time origin, in sub-millisecond resolution)
**- Web** Workers (JS runs in the background without affecting the performance of the page. This Allows the user to do whatever they want: Click, selecting things, ect, while the web worker runs in the background.
**- HTML 5** – Markup language
**- CSS** – used to describe the presentation of a document written in a markup language
**- JS** – interpreted programming language used to make webpages interactive and provide online programs
- DOM (Document Object Model) – defines a platform-neutral model for events and node trees.

**All these sites have used the following web standard**
**- HTML/CSS –** Already explained
**- SMIL –** It combines audio, video, hypertext, images allowing visual transition in between
**- CSS Mobile -** a profile of the cascading style sheet language that matches the need of mobile Web authors
**- SVG Tiny -** a profile of the Web's scalable vector graphics format well-suited to the capabilities of mobile devices
- **XHTML For Mobile** -  which defines a subset of XHTML for mobile
- **WCAG**  - WCAG Standard guidelines for a sufficient colour contrast


# All the following sites are suitable for mobile. Media queries have been used to scale down tags when resolution is changed.

# All sites that have an online shop have used
- ecommerce
- Database forms (form that deposits data in an online database)
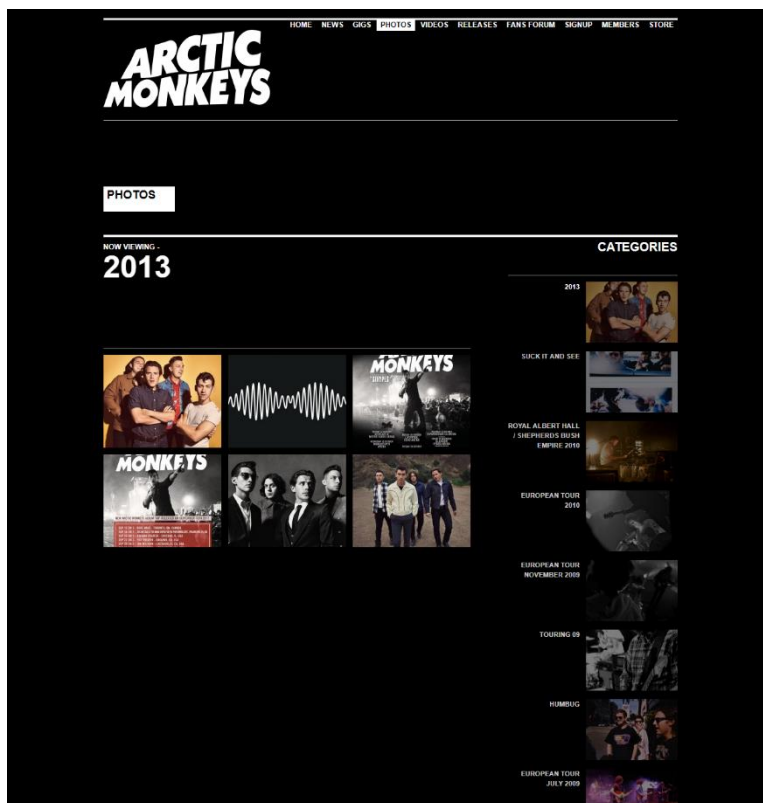- Online credit card processing

- Iconography
  - Logo in header, it also blends with the primary colours
    - Images have a small padding so they are not clustered together
    - Videos
- Typography
  - Arial font used throughout site (dominant font)
    - Helvetica and serif also
    - Maximum 3 fonts used
    - They have used standard font (Arial, Helvetica and serif)
    - Font sizes are appropriate to read (11px)
    - Have used all caps for Headings as it is important info (bold and > text size)
    - Have used all lower for actual content
    - Minimum 70 -80 characters per line
    - Typeface works well in various sizes

- Style
  - Primary colours – Black and white (Complete opposite go well)
    - Buttons on the site correlate with primary colours
    - spacing between lines not too large however looks clean and structured
    - Spacing of text (no words are crammed together)

- Functionality
  - Header move whilst scrolling (always in users peripheral)
    - Hyperlinks used (VIEW MORE, artic monkeys facebook/twitter page, header options)
    - user comments
    - Images contrast changes when cursor is over it
    - Hyperlinks underline when cursor is over text
    - Signing up (ask for essential data – not unnecessary data)
    - Login in through an external 3$^{rd}$ party
    - Buttons act as hyperlinks
    - e-commerce

Bad examples of software development on this site

- There is no set format for a password on the site
- No email verification
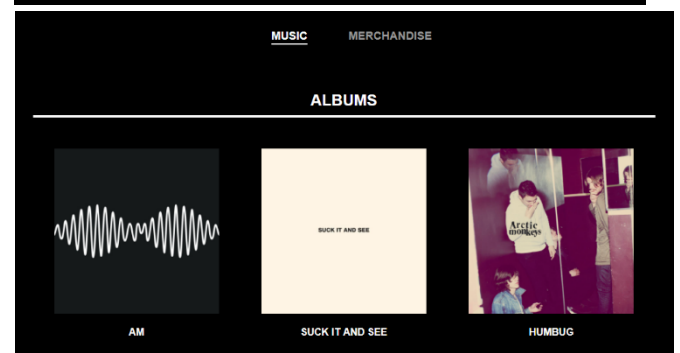
## Guns n' Roses
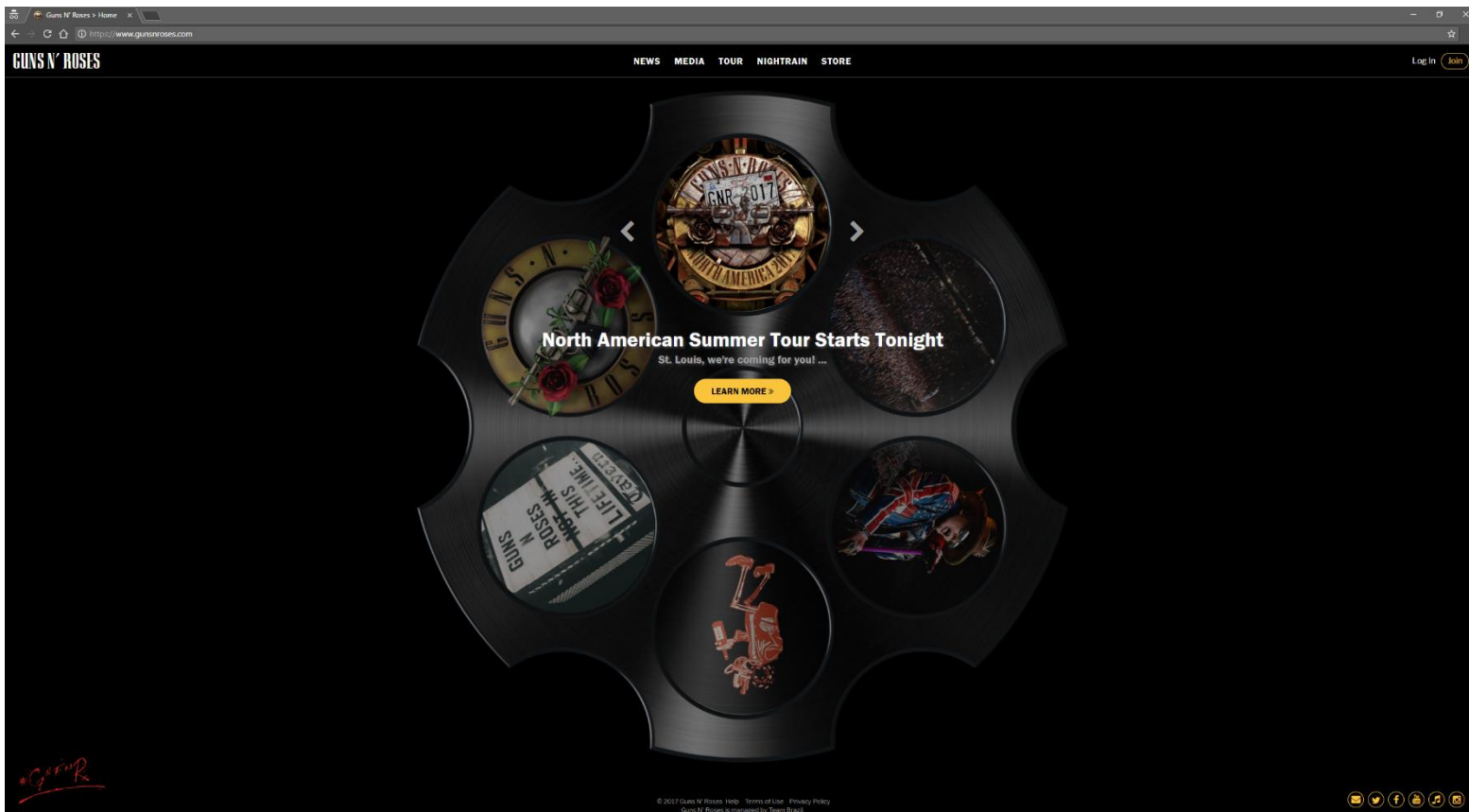


- Iconography
  - Multiple icons representing the band
  - along with the icons their logo is position in the top centre

- Typography
  - Maximum of 3 fonts used (librefranklin-regular, Arial, sans-serif)
  - Standard fonts used
  - 70- 80 characters per line
  - all caps for Headings
  - all lower for actual content
  - text floats to the right of images
  - have used fonts with distinguishable letter (letterforms such as rn : m and ll : (iL) are not present)

- Style
  - Mood board – Black and orange primary colours
  - Buttons blend in with primary colour
  - All hyperlinks have the orange primary colour

- Functionality
  - Advanced JavaScript (wheel rotates when directional button clicked)

- button animation (square brackets appear around header buttons)
- External 3rd parties (Instagram/FaceBook/Youtube/itunes/Twitter/E-mail)
- Store (e-commerce)
- hyperlinks underline when cursor is over it
- when user clicks on (username and password box) the text within the box zooms out
- option to keep me signed in for two weeks unless I log out


Bad examples of software development on this site

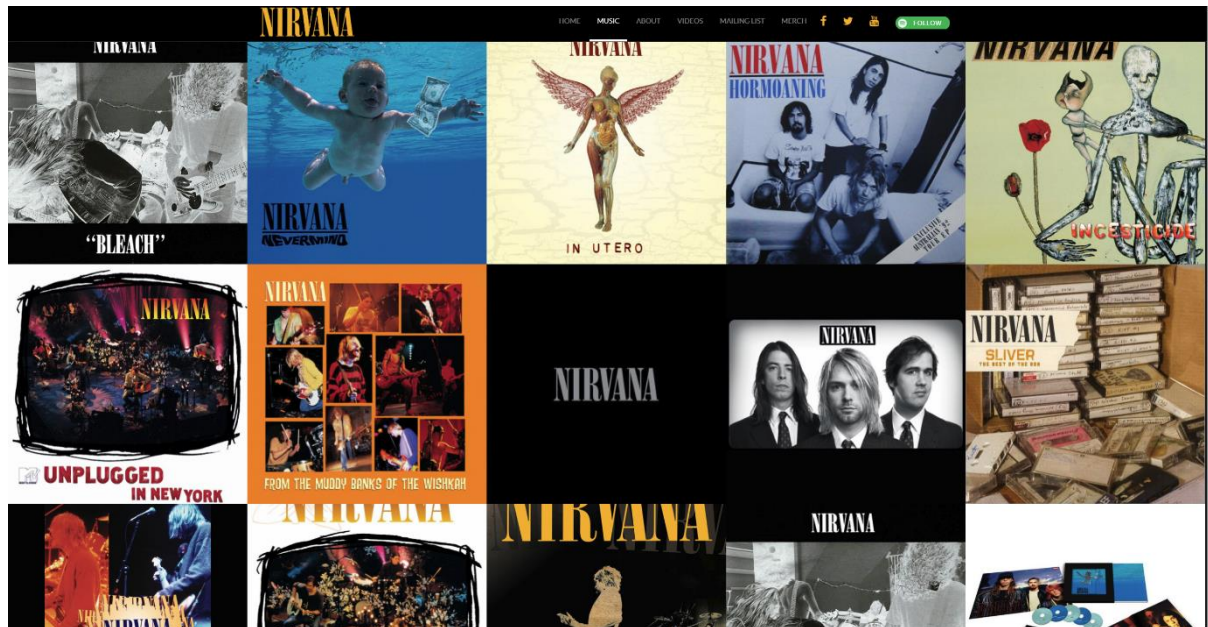- When zooming out on Tour page header text size increases too much and overlaps
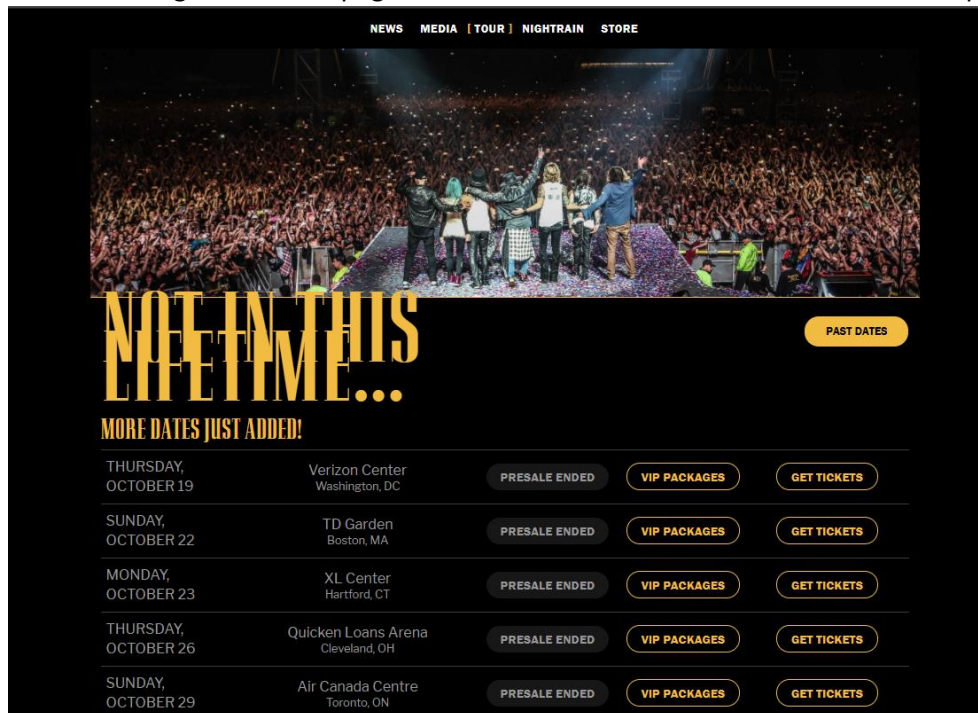



**Nirvana**
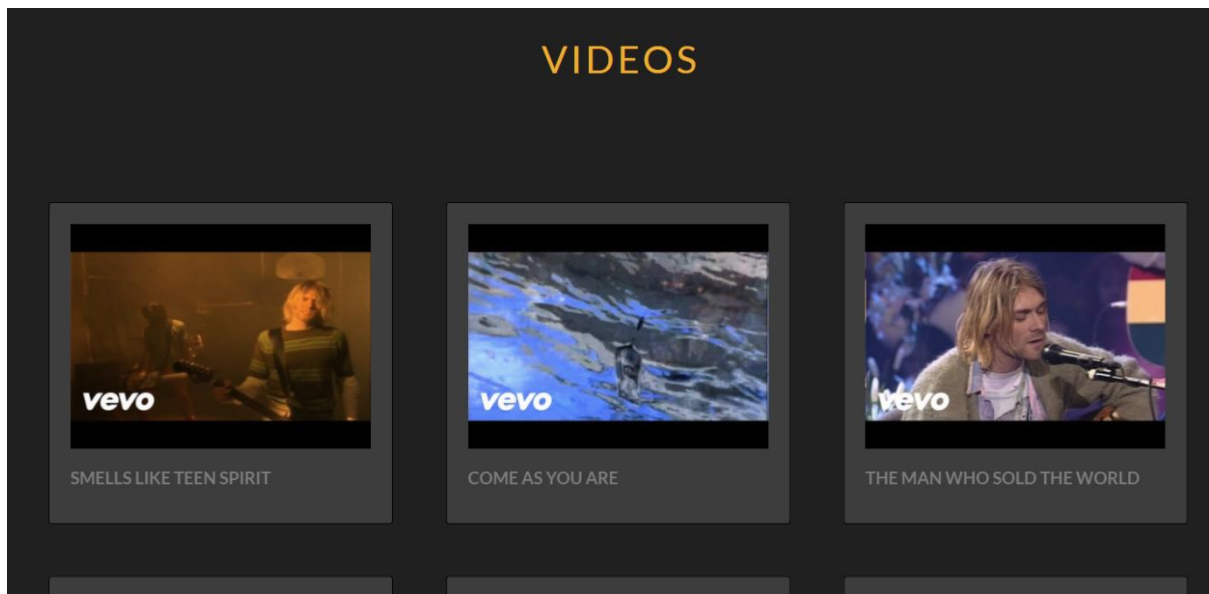**Home**
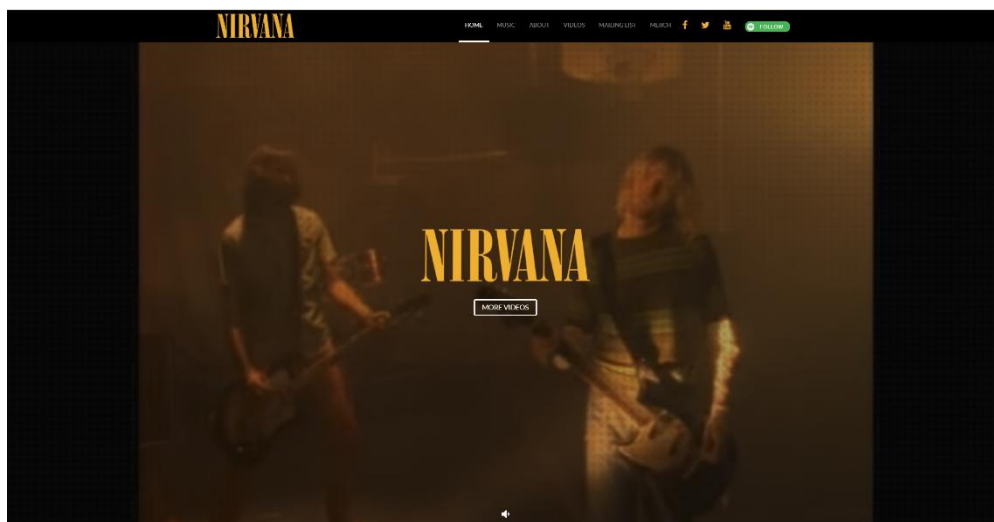
## Music



## About

## Videos



## Mail listing



## Merch
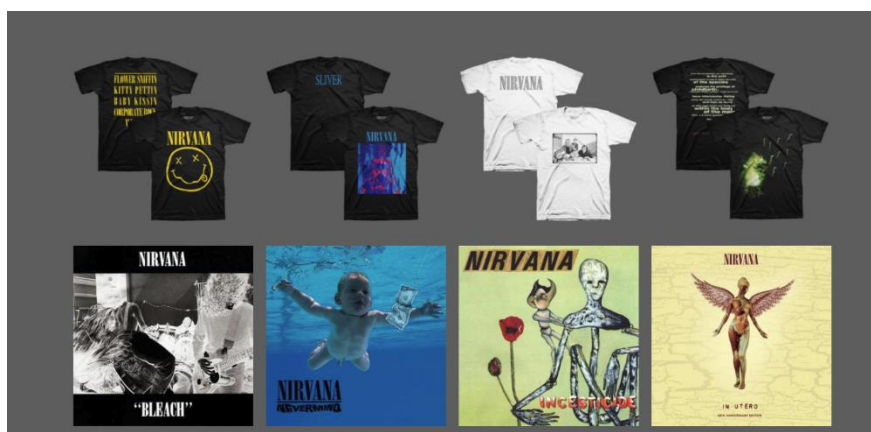
- Iconography
  - Logo is the first thing you see
  - Along with their music video playing in the background of the logo
  - Images of the bands albums
  - Album Images change contrast on hover

- Typography
  - All caps for headers
  - Large spacing for headers (fits well with font used)
  - standard fonts used

- Style
  - The whole site is featured on one page (excluding videos and merchandise)
  - Buttons fade to white on hover (exact opposite to primary colour)
  - primary colour (black and orange)
  - Animation when hovering over merchandise (quick view option (Hyperlink) and price)

- Functionality
  - Use of buttons ( More videos)
  - external 3rd parties (Fb/YT/Twitter/Spotify)
  - User can filter through albums in terms of (ALL/Vinyl/Studio/Live/DVD/Blu-Ray/Deluxe Edition/Compilation)
  - Hyperlink to videos and merchandise
  - shopping cart (allows users to view what they are buying)

Bad examples of software development on this site
- no password format (X caps / X numbers / X length)

## Arcade Fire
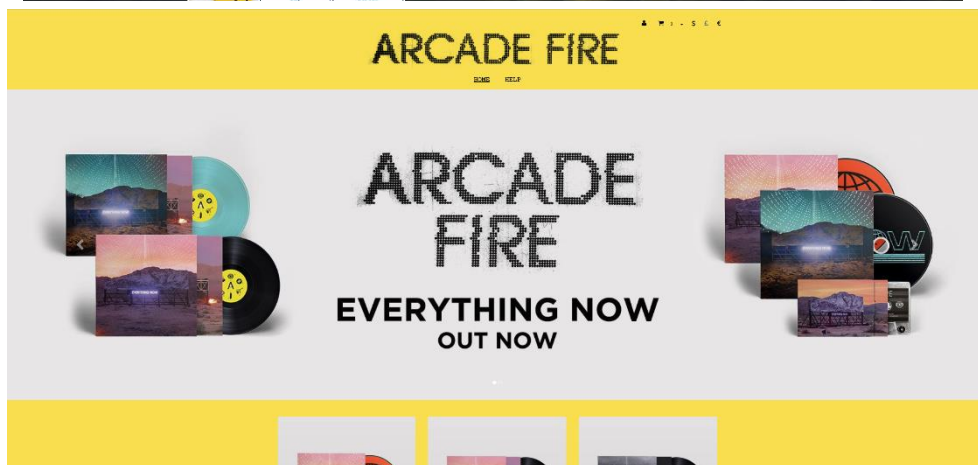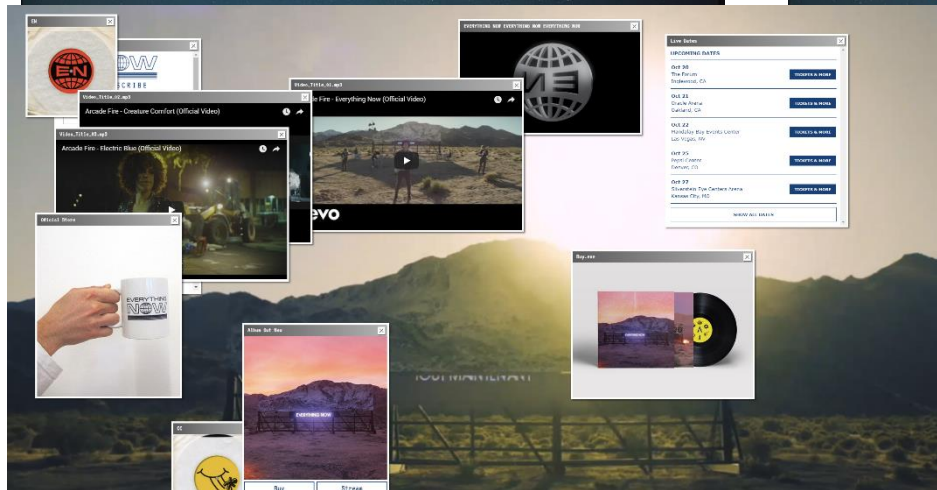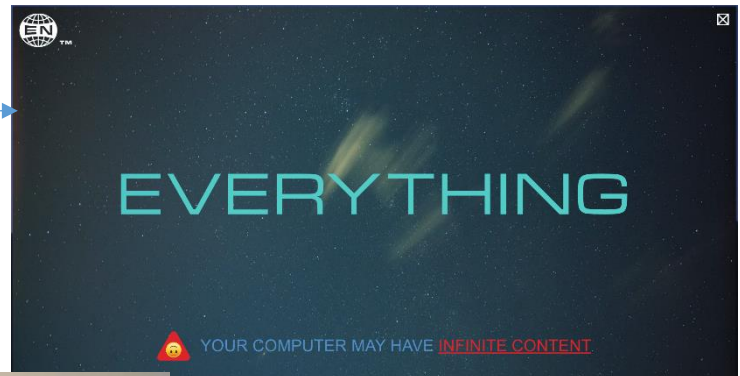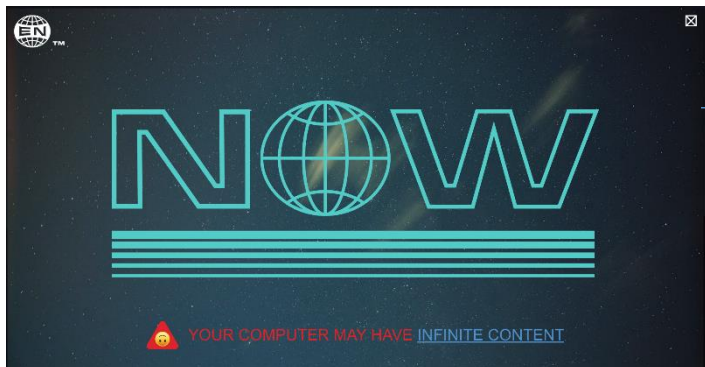
- Iconography
  - store image blends in with primary colours (looks structured and smooth)
  - Merchandise images change contrast and price is displaced on hover

- Typography
  - Only 2 fonts used:  Courier',monospace
  - Have used standard fonts
  - Forms used for login/sign up
  - typeface works well in various sizes

- Style
  - Official store uses primary colours (black and gold)
  - Site has a video intro
  - Buttons have been used on the site (Viewcart checkout)
  -
- Functionality
  - Shopping cart
  - user can drag and move content to find what they are looking for
  - all images are hyperlinks however the videos can be watched on the site.
  - drop down menu used
  - Change site language
  - Filter option
  - FAQ

Bad examples of software development on this site
- Used blinking text (can trigger seizures/also very annoying and distracting)
- Badly structured (user has to sieve through content to find what they want)
- Have used text with colours (this will affect users with colours blindness)
- They barely have any content involving text.