Analysis Document

**Description of site design (1/2 pages)**

Initially all I knew is I wanted to do a historically based site. After a bit of research, I decided to style it like a book running in a linear fashion from left to right and channelling the flow. I didn’t do a header because I wanted to naturally incorporate the flow like a person reading a book and flipping pages. I also wanted to let the user have the option to skip chapters or navigate between then which is why I added the navigation bar to let them do that. I wanted to make a clear blue “airflow” bar modern on top of old but in the end, I ended up making the “Shadow bar” like a shadow on an old book. I started meddling with mobile design for it and the whole site as visible in the body but that didn’t get far as I didn’t have the time for it.

I decided to start by creating self-containing elements and keep stylesheets separated in order to keep the project manageable. My idea was to reuse elements and change them according to the specific need of the page. Rather than an overall site design I started building the elements first and then seeing how they fit.

The first Idea I had was to build glass panels and overlay them on top of old medieval images, however that didn’t work very well as I wasn’t able to find the right texture. After experimenting a little I found out that a good cloud texture I found works very well on some pages I left its position fixed and the clouds are literally moving on scroll. That worked out and then I just simplified the cloud panels and made some parchment or paper panels from that. The two panels look very different but are in fact along with all the other elements essentially the same thing. A div inside a div inside a div ext. with animations manipulating its parts and positioning it inside a grid

I didn’t want to overwhelm the user with information though which is why I decided to make the site more animated like a comic book or a graphic novel. While I was learning from w3school CSS lessons I encountered a lesson about flipping images and that inspired me to play around I wanted to make cards or pages flip with CSS only aminations as I thought that would be a more engaging way of storytelling rather than overwhelming them with information. A made a simple zooming card and a more complicated flipping one but essentially all the elements are the same although they don’t look like it.

After the flip-cards I played around with the transform origin property and found out that the flip can be manipulated from left to right and depending on the Y, Z and X axis the cards can flip like a page. After that I decided to add a few div behind paly around with the transform3d and I was able to make a book which was perfect for a bibliography. Although perhaps not as functional as a scrolling list in my opining at least it’s a very effective way of storytelling.

From the books came the windows, I decided to experiment with one of the books copied 2 covers expanded a div twice the width and used the same rotate property. Moved one of the covers by 50% to the right changed its transform origin to the right side replaced the paper with an image and voila. The wooden and glass window are the same but with a different texture. The Glass texture came from my previous attempts with the glass panel and after reducing the opacity and giving it the minimum possible blur, I was surprised how good it looked. The glass panels never materialised but the window looks good (apart from my Head Pic).

Finally, the Buttons were born out of necessity I needed a button class, but I couldn’t think of anything better or interesting I could do so I used them. I wanted something better and I did have more ideas for my site but unfortunately, I run out if time and I wasn’t able to accomplish all of them. I chose the bright green colour as its my favourite colour and the rest of the team wasn’t too colourful in that specific range.

I started experimenting with both flexbox and CSS grid which is why although the page layout says CSS Grid, I do tend to use both. I added shadows to almost all my elements as I noticed that made a huge difference. Without the shadows the whole site looks like a flat canvas without much life but with them especially on the moving elements they almost look real in some places. The Images are all from Wikimedia Commons, Pixabay and a few other sites free licences all were resized and/or optimised with the website <https://compressimage.toolur.com/> as most needed custom fitting and or optimisation. I tried to make the site as user friendly for navigation as possible although most images are not in html but instead in CSS as I wanted to focus more on that part of the assignment I wanted to experiment and user CSS as much as possible if I could over HTML. Although both are used together in harmony the latest part of our semester covered CSS which is why I wanted to practice it as much as I can.

**A site-map diagram (1 page)**

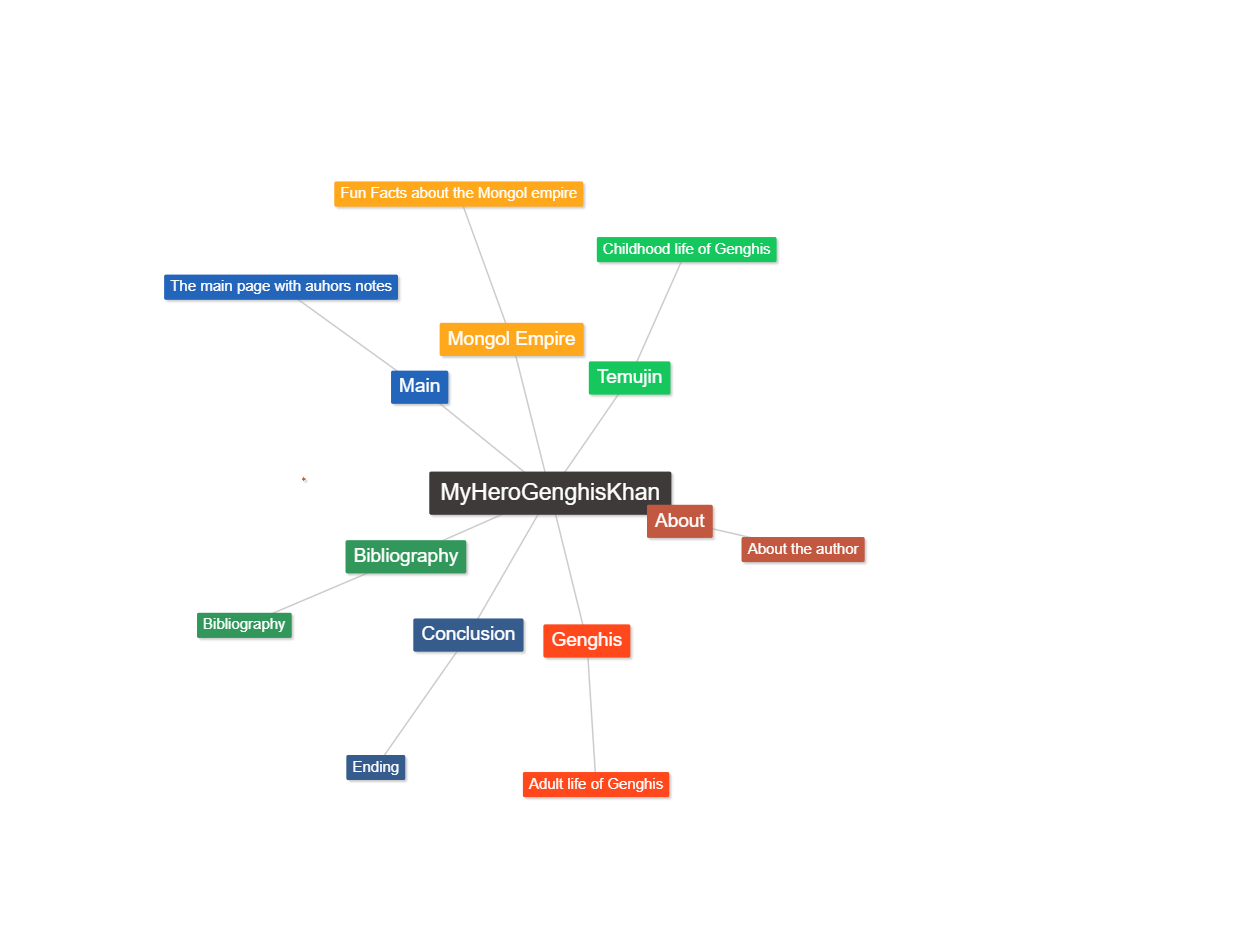


Fig 1 (My site map)

Page 1 – main page with intro for user

Page 2 – Timeline Temujin

Page 3- Timeline Genghis

Page 4 – Mongol empire map and Fun facts

Page 5- Bibliography and Media Links to Genghis

Page 6- Bibliography and Media Links to Genghis

Page 7 – About myself

**Wireframes (1/2 pages)**

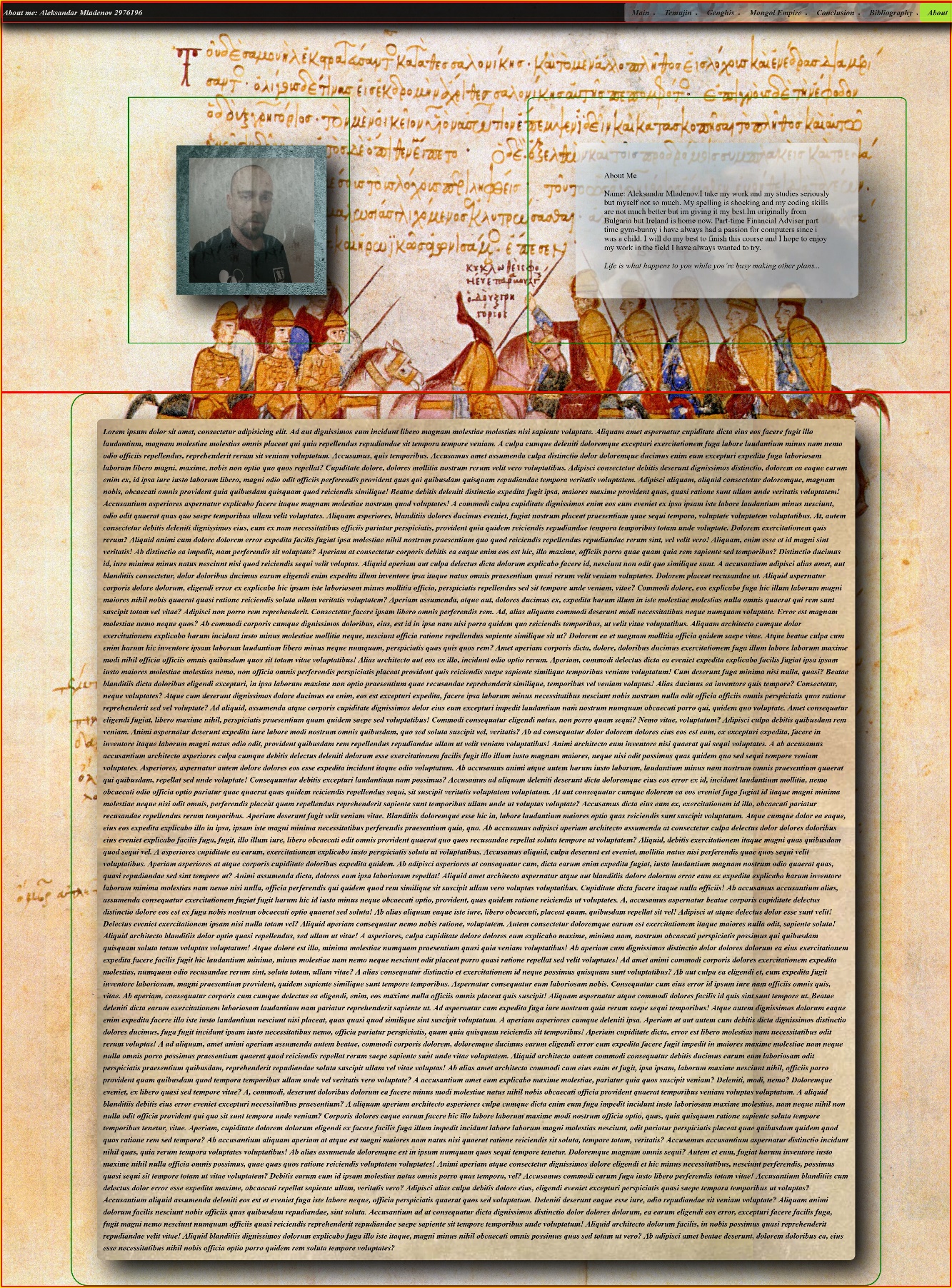


Fig 2 (typical wireframe)

Above is a screenshot of page 7, which is a typical representative. Initially I started using flexbox to create elements like windows, books ext. and I thought I will use flexbox only. However, after watching a few tutorials on CSS grid I decided to give it a go and I ended up using both. There is not much consistency for that as I was learning on the go and experimenting with percentages, fractions and different page layouts which is why some of my pages look different and all say CSS grid even if there is no GRID involved on the specific page. The layout is simple as I prefer to make and have a simple intuitive layout as a user as well. The nav bar is on top and there is a simple grid with elements wither opposite to each other or in line below each other.

**Research (1 page)**

I don’t think I have seen a site quite like this one, however my inspirations are graphic novels like the one the movie 300 is based on and comic book styles like the sort of Deadpool, Spiderman and Batman. Although it doesn’t seem like the have much to do with a site like this on a closer look the site resembles a comic book.