Research document
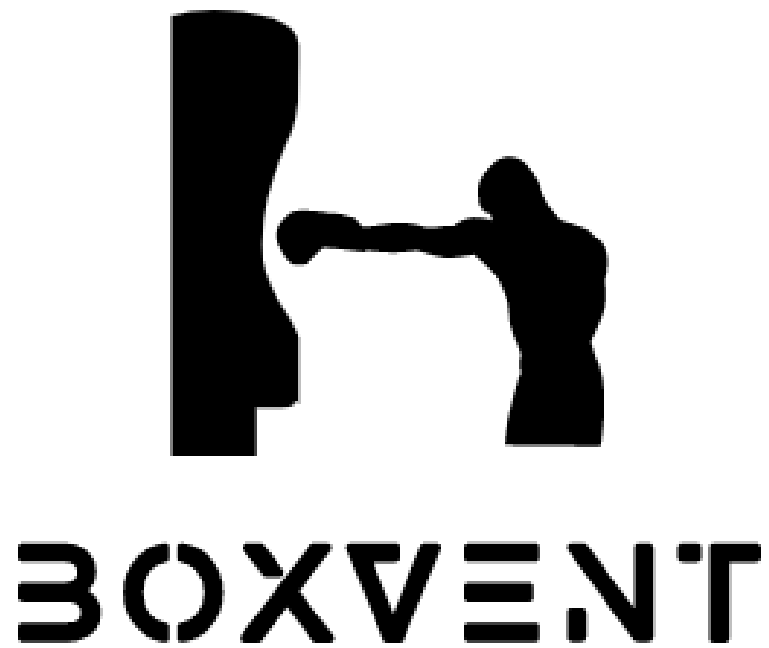
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Problem definition

Right now if you want to participate at a boxing event you have to look for social media announcements, different ticketing websites, posters, adds, etc. We need to create something that will attract boxing enthusiasts and which will provide them with the required information.

Main question

How will we create a website for boxing events?

Sub questions

What frameworks/libraries should we use for front end?

From whom will the website be made for?

What will be used for creating the backend?
What will we show on the website?

Dot framework

To carry out the relevant research we will be using the DOT framework and some of it's methods. The methods we will be using are the following:

Available product analysis, Community research, Problem analysis

Methods

For doing our research we will be using different research methodologies from the DOT framework. We will be using the Available product analysis to see what other similar products are out there and what we should use for our front end.

We will be conducting community research when we need to find out what type of technology we need to use for our backend, we chose this methodology since I have always been a fan of getting other experts opinion and tips when it comes to tackling a problem such as this.

We will be using the best good and bad practices methodologies to see what other similar websites have done and learn from there mistakes and successes.

Results

What frameworks/libraries should we use for front end? – Available product analysis

After researching what frameworks/libraries we have available e have picked React JS as our development library. The reasoning for this is the fact that react uses components, is easy to understand and the setup for starting development is done automatically.

What will be used for creating the backend? – Community research

After looking through multiple discord channels and forums on the internet, we have chosen spring boot with java as our backend technology, due to the fact that it's widely used and very powerful.

What will we show on the website? – Best good and bad practices

After looking at other websites and seeing what worked and didn't work for them we have decided that on our website we will show all available events with the base ticket price and the date and location.

Conclusion & recommendation

In conclusion we will be using React JS for front end development and Spring boot java for back end, during our research phase we considered using different tools but in the end React JS and Spring Boot Java were the best choices for us. I would recommend that for future work on similar products the research has to be conducted again, due to the fact that technology is rapidly changing and we wouldn't want to be left behind when developing something like this website.

References

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