GOTProject

Node-Link visualization of GOT's dataset

ACCESS LINK

https://rawcdn.githack.com/baldidon/GOTProject/c1cf95130dfbc3d83582a594123330a8e2979424/main.html

Introduction

The aim of our project was build a **visualization for a given graph**. The graph concerning the "Game Of Thrones" TV show. It consists of **84 nodes**, each one representing a character of the serie, and *216 edges*, representing the relations among the characters as of the end of Season 7. Each node contains the following information: name of the character, status (Alive or Deceased), house birth, house marriage and group, which stays for affiliation of a character to a group which is not a house. The relations are modeled throug *directed and undirected edges*, and can be: death, father, mother, siblings, lover, spouse or allegiance.

Visualization

We decided to visualize our data in a **circular shape**

with nodes *grouped in keeping with the House Birth of the characters*. Each node is coloured according to its House Birth and is wrapped in a dotted line which represents the status of the character: red for dead ones, green for the alive ones.

> <

The different relations are visualized with different colours; directed edges are shown as shaded lines from the source node to the target node, whereas, obviously, undirected ones don't present this feature. We also provided a checkbox the user can interact with in order to choose what relations to show, and a legend box that helps to understad which colour stays for each House Birth. One can visualize the relations for a specific node by positioning the mouse over it; the drawing will only show the nodes involved with the chosen one; the other ones will be opacized to make the visualization clearer. The last feature we supplied is the visualization of the card of a character once the user clicks on the node representing it. The visualization is modeled through a force directed graph; with the chosen node at the center.