

# GOTProject

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Node-Link visualization of GOT's dataset

to open project

<https://rawcdn.githack.com/balldidon/GOTProject/aa90779ac21d77e1e73371617e636c4b4c375912/main.html>

## Introduction

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*to complete*

The aim of our project was to visualize the graph dataset concerning the "Game Of Thrones" TV show. The dataset 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 through directed and undirected edges, and can be: death, father, mother, siblings, lover, spouse or allegiance. 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 understand 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.