| Title | **Family Tree Query Tool** |
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| Description | It's the tree of a family including grandparents, parents, children, siblings and grand children.<br>Only 1 relation can build a full tree:<br>**Parent(X,Y)** meaning that X is the parent of Y, and<br>Note: Consider family member names are distinct (i.e. no repeated names). |
| Group size | 4 members. |
| Deliverables | 1. Load/ Save a tree from files.<br>2. Query different relationships in the tree (ex: Is X sibling of Y?, list all ancestors of X, who are X's cousins, who in this tree can marry X?, etc)<br>3. A C++ or a C# application that performs the required task.<br><br>USEING "PROLOG" (PARALLEL PROGRAMMING LANGUAGE)<br><br>FOR IMPLEMENTATION IS NOT ACCEPTABLE. |
| Bonus extensions | Visualize the full tree. |
| Mentor | T.A. Dina Khattab |
| Notes | |