Time Bank

A Social app that connects between people that are willing to invest their time teaching a subject in their area of expertise and in return receive a lesson in their area of interest.

User Experience

The Match Algorithm:
The algorithm builds a graph and searches for heaviest routs. The users are represented by the graph’s vertexes, and the possible matches between students and teachers are represented by the edges. The edge’s weight is determined by the compatibility between the student’s preferences and the teacher’s information. Cyclic routs are preferred in order to keep low users’ “balance”. In order to achieve the above we use the traveling salesman, Tarjan and Dijkstra algorithms.