In this thesis, we present one view on economic modelling - Agent based modelling and Agent based computational economics, which is computationally intensive method that simulates interactions between entities in economy instead of focusing on stable equilibria. We will provide introduction into Complex systems theory, which explains many phenomena we can see in economies and explain why these phenomena make it hard for economists to design models explaining behavior of people in real world. We will show one possible model of face-to-face interactions between consumers and firms and its implementation, where we can see whether it can sustain for a period of time in dynamic but stable state.