The thesis focuses on the portfolio investment area with respect to individual investors. It discusses their investment possibilities and behavioural aspects that may be the cause of deviations in investors' behaviour from rationality and which as well have the impact on forming their investment objectives. On the three investor case studies two qualitatitive methods of asset allocation are studied, eventually dividing the content of their investment portfolios between stocks and bonds. Additionally, the extension to the traditional stock and bond allocation is performed by means of real estate, commodities and art and antiques and its appropriateness is analyzed for each case study investor. At the very end of the thesis a quantitative mean-variance optimization method of asset allocation is mentioned.