User stories

Sprint = 100 p.p.  
Total project = 500 p.p.

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| **Title:** Strategy upload | **Priority:** 5/5 | **Estimate:** 200/500 |
| **As** a trader  **I want to** be able to upload my trading strategies  **So** I can pass them down to the test program. | | |
| **Acceptance criteria:**   * I can select a trading strategy on my local machine and upload it with the UI. * All uploaded strategy should only be visible in my own account. * I should be able to only upload supported file formats. | | |

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| **Title:** Login/Authentication | **Priority: 4**/5 | **Estimate:** 100/500 |
| **As** a trader  **I want to** be able to login on the platform  **So** I can watch and test my own strategies. | | |
| **Acceptance criteria:**   * I can login into the platform and look at my own data | | |

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| **Title:** Historical data | **Priority:** 5/5 | **Estimate:** 100/500 |
| **As** a trader  **I want to** be able to test my strategies on historical data  **So** I can determine its performance over multiple time frames | | |
| **Acceptance criteria:**   * The trading data is from the last 3 weeks * I am able to run tests with this data | | |

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| **Title:** Advice | **Priority:** 5/5 | **Estimate:** 200/500 |
| **As** a trader  **I want to** be able to get an advice  **So** I can use the best possible strategy. | | |
| **Acceptance criteria:**   * This advice contains information about the profit that will be made from the running test | | |

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| **Title:** Running tests | **Priority:** 4/5 | **Estimate:** 100/500 |
| **As** a trader  **I want to** be able to track the running tests on the platform  **So** I can see what the estimated time is when they will be done. | | |
| **Acceptance criteria:**   * Progress bar for all the tests that are running | | |

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| **Title:** Scalability | **Priority:** 5/5 | **Estimate:** 400/500 |
| **As** a trader  **I want to** test my strategies as fast as possible  **So** I can find the most optimal trading strategy easier | | |
| **Acceptance criteria:**   * The system will add a test instance if it improves the speed of the current test * Multiple tests are running simultaneously | | |

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| **Title:** Strategy variables | **Priority:** 5/5 | **Estimate:** 200/500 |
| **As** a trader  **I want to** test different variable ranges in my strategies  **So** the system can determine all possible outcomes. | | |
| **Acceptance criteria:**   * All variables used in the strategy are visible to the user. * The numeric variables can be ranged by the user. * While testing the strategy all of the possible values inside the selected ranges need to be tested. | | |

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| **Title:** Time period | **Priority:** 4/5 | **Estimate:** 300/500 |
| **As** a trader  **I want to** test my strategy on different time periods  **So** I can determine how the strategy performs in different periods. | | |
| **Acceptance criteria:**   * I can select a range of two dates. * The parameters are transferred to the test instance | | |

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| **Title:** Change profile | **Priority:** 3/5 | **Estimate:** 100/500 |
| **As** a trader  **I want to** be able to change my account information  **So** I can change this when needed. | | |
| **Acceptance criteria:**   * Platform has page to change profile * The user can change his password and e-mail if he wants | | |

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| **Title:** Registration | **Priority: 4**/5 | **Estimate:** 100/500 |
| **As** a trader  **I want to** be able to register an account  **So** I can save my strategies and test results. | | |
| **Acceptance criteria:**   * The homepage has a link to a registration option. * The user should see a form on the registration page * The user can only register if all the required fields are filled. * The user receives an e-mail after registration to activate the account. | | |

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| **Title:** Advice criteria | **Priority: 4**/5 | **Estimate:** 200/500 |
| **As** a trader  **I want to** be able to select criteria to formulate the advice  **So** I can adjust the advice to my personal preference. | | |
| **Acceptance criteria:**   * The user can select a variable from the trading strategy to test the results on. * The user can select properties of the graphs representing the strategy performance. | | |

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| **Title:** Interval | **Priority:** 5/5 | **Estimate:** 100/500 |
| **As** a trader  **I want to** be able to select a desired tick interval  **So** I can test specifically on position changes in a specific time. | | |
| **Acceptance criteria:**   * The user can select a tick interval from a drop down. * The tick interval values are determined upfront and should match the available data. * While running the test the trading strategy should only be tested every selected tick interval. | | |

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| **Title:** Increasing steps | **Priority:** 5/5 | **Estimate:** 200/500 |
| **As** a trader  **I want to** be able to select an increase amount in which the selected ranged values will increase  **So** I can test more flexible. | | |
| **Acceptance criteria:**   * The user can select a number per variable. * While running the test the variable should increase with the selected amount until the end of the range is tested. | | |

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| **Title:** Hosting | **Priority:** 5/5 | **Estimate:** 200/500 |
| **As** a trader  **I want to** be able to use the platform online  **So** I can don’t have to install it on my own device | | |
| **Acceptance criteria:**   * Hosting online * Hosting services online | | |

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| **Title:** Safety | **Priority:** 5/5 | **Estimate: ∞**/500 |
| **As** a trader  **I want to** be sure that my data is only available for me  **So** my data is secure | | |
| **Acceptance criteria:**   * Implementation according GDPR | | |
| **Title:** Performance | **Priority:** continuous | **Estimate:** continuous | |
| **As** a product owner  **I want to** have a high performance platform  **So** the end user aquires fast end results | | | |
| **Acceptance criteria:**   * Strategy testing speed should be max 1 sec per strategy test * Fast advice generation/analyses | | | |