

# Plan Iteration 3

Indoor football strategy simulation



|                        |                |                        |
|------------------------|----------------|------------------------|
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# Features

- Simulation
  - Add new events to the simulation.
  - Add nice graphics and audio when specific events are raised.
  - The user should be able to skip a match.
  - The user should be able to run the simulation N times (N can be chosen by the user).
- AI
  - Full implementation of the following classes:
    - ChaseBall
    - KickBall
    - ReceiveBall
    - ReturnToHomeArea
- Interpretation of the results
  - Use the outcome of matches to give the user insight in which strategy is the strongest against a specific strategy.
    - Display the scores and the average win rate.
  - Export results to PDF and CSV.
  - Optionally: Add suggestion for improvements.

## Work division

| Feature   | Assignees               |
|---|-------------------------|
| Add new events to the simulation  | Alex, Kheir, Tsvetelina |
| Add nice graphics and audio when specific events are raised.  | Alex, Kheir, Tsvetelina |
| The user should be able to skip a match.  | Alex, Kheir, Tsvetelina |
| The user should be able to run the simulation N times (N can be chosen by the user).                                | Alex, Kheir, Tsvetelina |
| ChaseBall   | Hai, Thanh, Thao        |
| KickBall  | Hai, Thanh, Thao        |
| ReceiveBall   | Hai, Thanh, Thao        |
| ReturnToHomeArea  | Hai, Thanh, Thao        |
| Use the outcome of matches to give the user insight in which strategy is the strongest against a specific strategy. | Alex, Kheir, Tsvetelina |
| Export results to PDF and CSV.  | Alex, Kheir, Tsvetelina |
| Optionally: Add suggestion for improvements.  | All                     |