

The Learning Triangle

Use Case Specification: calculate score

Version <1.2>

Date	Version	Description	Author
31.10.2016	1.0	First set up	LearningTriangleTeam
14.11.2016	1.1	Added .feature file	LearningTriangleTeam
27.11.2016	1.2	Changed Activity Diagram	LearningTriangleTeam

1. Calculate Score

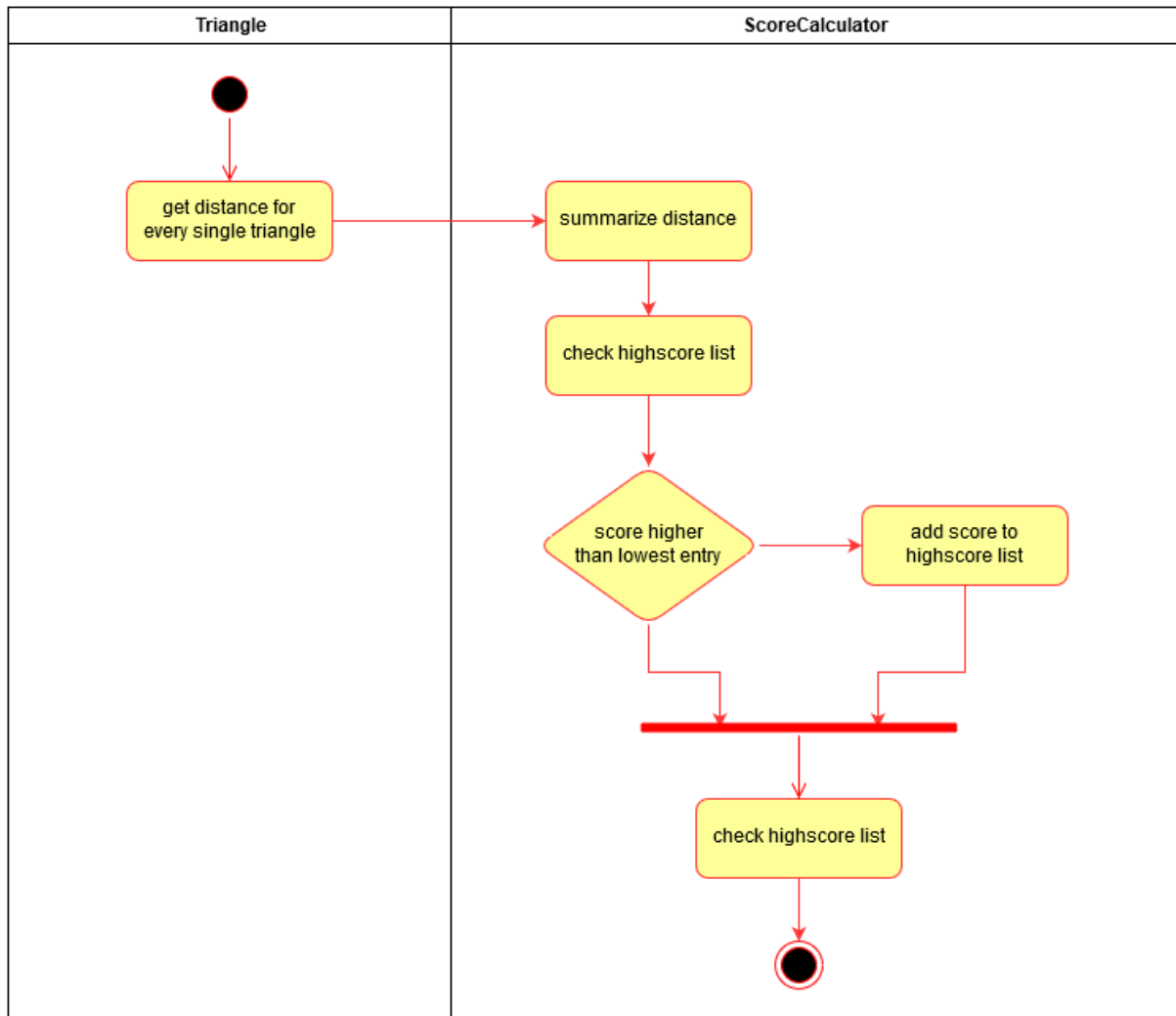
1.1 Brief Description

The score is a value for the AI to score the played game. The score is equal to the distance the existing triangles (dead or alive) moved in summary. That means that the AI receives a higher score if more triangles live as long as possible and move around.

2. Flow of Events

2.1 Basic Flow

Activity diagram:



Mockup:

there is only an idea how to display the score, which will be a new window with the score and the high-score list on it.

Feature File:

Feature: Calculate Score

In order to rate a playthrough of the AI

As a Player

I want to calculate a number named highscore to see immediately if it was good or bad

Scenario: Display the score

When I finished the game

Then summarize the distance for every single triangle

And the score is displayed

Scenario: Add score in highscore list

Given the score is calculated

When the score is higher than the last entry of the highscore list
Then add score to correct position in highscore list

3. **Special Requirements**

The only thing that is necessary to calculate the score is the end of the game.

4. **Preconditions**

The game is over. Every triangle is dead, or the player ended the game.

5. **Postconditions**

The score could be high enough to be a high-score. In this case, the highscore list has a new entry now, which means that an old one is deleted now.

Now a new game can be started.

6. **Extension Points**

n/a