# API Documentation

Below are the endpoints in the developed REST project.

## 1. Setting the position and velocity of kangaroos:

This endpoint is a POST method that can be reached through path “/setPositions”. The user should send the data in JSON format in the request body as shown below. This endpoint takes all the data and sets the positions of both kangaroos.

### JSON Format to be kept in request body:

{

"positionOfKangarooOne": "2",

"velocityOfKangarooOne": "1",

"positionOfKangarooTwo": "1",

"velocityOfKangarooTwo": "2"

}

## 2. Getting the positions of kangaroos:

This endpoint is a GET method that can be reached through path “/getPositions”. This will return the positions of both kangaroos in JSON format.

## 3. Get the number of jumps needed:

This endpoint is a GET method that can be reached through path “/willKangaroosMeet”. This will return the number of jumps need to have both the kangaroos at the same position. This method will return -1 if kangaroos don’t meet.