Integrative Software Engineering

Sprint 2 outputs:

- 1. **RESTful API** (project source code implementation)
 - You should hand at the end of this sprint a Server based Spring Project that extract a RESTful API.
 - Currently the API relies on a dummy implementation, that only return expected, hardcoded values, according to the various conditions your team defines
 - Required API:

HTTP Method	URL	input	Output
POST	/playground/users	NewUserForm	UserTO
GET	/playground/users/confirm/{playground}/{email}/{code}		UserTO
GET	/playground/users/login/{playground}/{email}		UserTO
PUT	/playground/users/{playground}/{email}	UserTO	
POST	/playground/elements/{userPlayground }/{email}	ElementTO	ElementTO
PUT	/playground/elements/{userPlayground}/{email}/{playground}/{id}	ElementTO	
GET	/playground/elements/{userPlayground}/{email}/{playground}/{id}		ElementTO
GET	/playground/elements/{userPlayground}/{email}/all		ElementTO[]
GET	/playground/elements/{userPlayground}/{email}/near/{x}/{y}/{distance}		ElementTO[]
GET	/playground/elements/{userPlayground}/{email}/search/{attributeName}/{value}		ElementTO[]
POST	/playground/activities/{userPlayground}/{email}	ActivityTO	Object

Input/ output classes definition:

ElementTO

-attributes: Map<String,Object>

-creatorPlayground: String -creatorEmail: String

-playground:String

-location: Location

-creationDate: Date

-exirationDate: Date -type: String

-name: String

-id: String

NewUserForm

-email: String -username: String -avatar: String -role: String

Location

-x:double -v: double UserTo

-email: String -playground: String -usernam: String -avatar: String -role: String -points: long

ActivityTO

-playground: String

-id: String
-elementPlayground: String

-elementId: String

-type: String

-playerPlayground: String

-playerEmail: String -attributes: Map<String,Object>

2. Test Plan documentation and test report

Gherkin documentation (Given, When, Then) for testing the RESTful API

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3. Appendix: Project progress report

- Kanban Board of project from sprint 2 initiation (October 28th)
- Kanban Board of project at the end of sprint 2 (November 11th)
- List of Students
 - o Id
 - o avatar in Kanban boards
 - o roles in team
- General summary of work
 - o What went well throughout the sprint
 - O What should be improved in team work
 - o What problems did the team encountered through the sprint
 - o Why did we not complete all planned work
 - What is expected for the next sprint