

CSE 564 – Software Design Project 3 - Vdondeti

1 HTTP REQUEST MAPPING

There are two entry points in this application one for the student and the other for the teacher. They are marked below. The following are the mappings.

- /CSE564/grade/{studentName} – GET – Used by the student to get their grade(**Student entry**)
- /CSE564/grade/{studentName} – POST – Used by the teacher to add the student grade
- /CSE564/appeal/{appealId} – GET – Used by student to retrieve an existing appeal
- /CSE564/appeal/{appealId} – POST – Used by student to create an appeal
- /CSE564/appeal/{appealId} – PUT – Used by the teacher to update the status of an appeal
- /CSE564/appeal/allAppeals – GET – Used by the teacher to get all the appeals made by every student.(**Teacher entry**)

2 RESOURCE REPRESENTATION

The Hypermedia format used is “application/vnd-cse564-appeals+json”

2.1 GRADE RESOURCE REPRESENTATION

```
{
  "grade": {
    "feedback": "The 5th question was not attempted",
    "grade": 90.0
  },
  "links": [
    {
      "rel": "postAppeal",
      "uri": "http://localhost:8080/AppealsServer/CSE564/appeal/1",
      "mediaType": "application/vnd-cse564-appeals+json"
    },
    {
      "rel": "self",
      "uri": "http://localhost:8080/AppealsServer/CSE564/grade/vivek",
      "mediaType": "application/vnd-cse564-appeals+json"
    }
  ]
}
```

2.2 APPEAL RESOURCE REPRESENTATION

```
{
  "appeal": {
    "student": "vivek",
    "appeal": "5th question was in the last page. Please kindly review.",
    "status": "UnderReview"
  },
  "links": [
    {
      "rel": "getAppeal",
      "uri": "http://localhost:8080/AppealsServer/CSE564/appeal/1",
      "mediaType": "application/vnd-cse564-appeals+json"
    },
    {
      "rel": "self",
      "uri": "http://localhost:8080/AppealsServer/CSE564/appeal/1",
      "mediaType": "application/vnd-cse564-appeals+json"
    }
  ]
}
```

2.3 ALL APPEALS RESOURCE REPRESENTATION

```
{
  "appealRepresentations": [
    {
      "appeal": {
        "student": "vivek",
        "appeal": "5th question was in the last page. Please kindly review.",
        "status": "UnderReview"
      },
      "links": [
        {
          "rel": "setAppealStatus",
          "uri": "http://localhost:8080/AppealsServer/CSE564/appeal/1",
          "mediaType": "application/vnd-cse564-appeals+json"
        },
        {
          "rel": "updateGrade",
          "uri": "http://localhost:8080/AppealsServer/CSE564/grade/vivek",
          "mediaType": "application/vnd-cse564-appeals+json"
        },
        {
          "rel": "self",
          "uri":
"http://localhost:8080/AppealsServer/CSE564/appeal/allAppeals",
          "mediaType": "application/vnd-cse564-appeals+json"
        }
      ]
    }
  ]
}
```

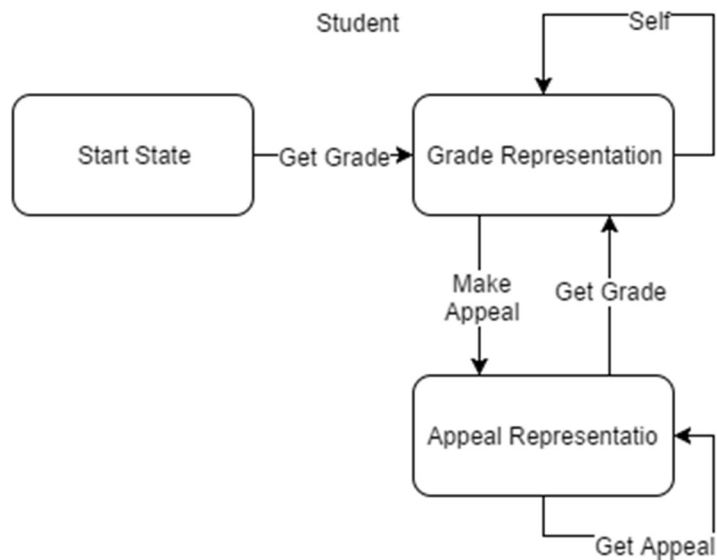
```

    }
  ]
}

```

3 TRANSITION DIAGRAM

3.1 RESOURCE TRANSITION DIAGRAM FOR STUDENT



3.2 RESOURCE TRANSITION DIAGRAM FOR TEACHER

