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package com.i3.springpubs.rest;

import java.util.List;
import java.util.Set;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.data.domain.PageRequest;
import org.springframework.data.domain.Sort;
import org.springframework.http.HttpStatus;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PutMapping;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.RestController;
import org.springframework.web.server.ResponseStatusException;

import com.i3.springpubs.entities.AuthorRepo;
import com.i3.springpubs.entities.PubRepo;
import com.i3.springpubs.entities.Title;
import com.i3.springpubs.entities.TitlePubView;
import com.i3.springpubs.entities.TitlePublisherDto;
import com.i3.springpubs.entities.TitleRepo;

@RestController
public class TitleController {
    @Autowired
    TitleRepo tr;
    @Autowired
    AuthorRepo ar;
    @Autowired
    PubRepo pr;

    @GetMapping("/Titles")
    public List<Title> getTitles(@RequestParam("min")double min,@RequestParam("max")double max)
    {
        return tr.getTitleBYPriceRange(min, max);
    }

    @GetMapping("/TitleByAuid")
    public Set<Title> getTitles(@RequestParam("au_id")String au_id)
    {
        return ar.findById(au_id).get().getTitles();
    }

    @GetMapping("/topTitles")
    public List<Title> topTitles()
    {
        return tr.getTopFive();
    }

    @GetMapping("/titleByType")
    public List<Title> getTitlesOfType(@RequestParam("type")String type)
    {
        return tr.getTitleByType(type);
    }

    @GetMapping("/titleByCity")
    public List<Title> getTitleByCity(@RequestParam("city")String city)
    {
        return pr.findByIdByCity(city).getTitles();
    }

    @PutMapping("/updateTitle")
```

```
public Title setTitlePrice(@RequestParam("id")String id,@RequestParam("price")double price)
{
    var title=tr.findById(id);
    if(title.isPresent())
    {
        var t=title.get();
        t.setPrice(price);
        tr.save(t);
        return t;
    }
    else
        throw new ResponseStatusException(HttpStatus.NOT_FOUND,"Data not found ");
}

@GetMapping("/titles/{city}")
public List<Title> getTitlesByCity(@PathVariable("city") String city) {
    //return tr.getTitlesByCity(city);
    return tr.findByPublisher_city(city);
}

@GetMapping("/titles/author/{auid}")
public List<Title> getTitlesByAuthor(@PathVariable("auid") String auid) {
    return tr.getTitlesByAuthor(auid);
}

@GetMapping("/titles/top5")
public List<Title> getTop5Titles() {
    var titles = tr.findAll(PageRequest.of(0,5, Sort.by("ytdSales").descending()));
    return titles.getContent();
}

@GetMapping("/titles/auid/{auid}")
public List<Title> getTitlesByAuthorId(@PathVariable("auid") String auid) {
    return tr.getTitlesByAuthorId(auid);
}

@GetMapping("/titleandpublisher")
public List<TitlePubView> getTitleAndPublisher(){
    return tr.getTitleAndPublisher();
}

@GetMapping("/titlesdto")
public List<TitlePublisherDto> getTitleAndPublisherDto(){
    return tr.getTitleAndPublisherDto();
}
}
```