

THOUGHTWORKS ASSIGNMENT

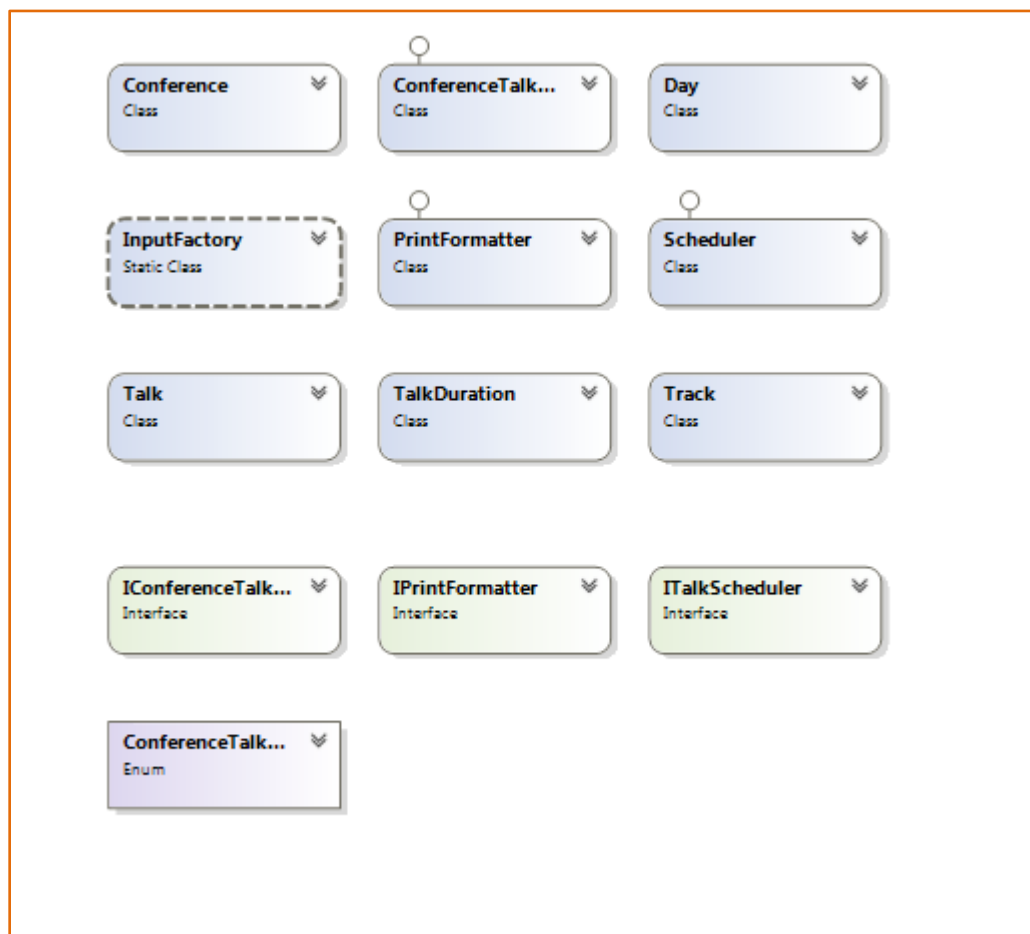
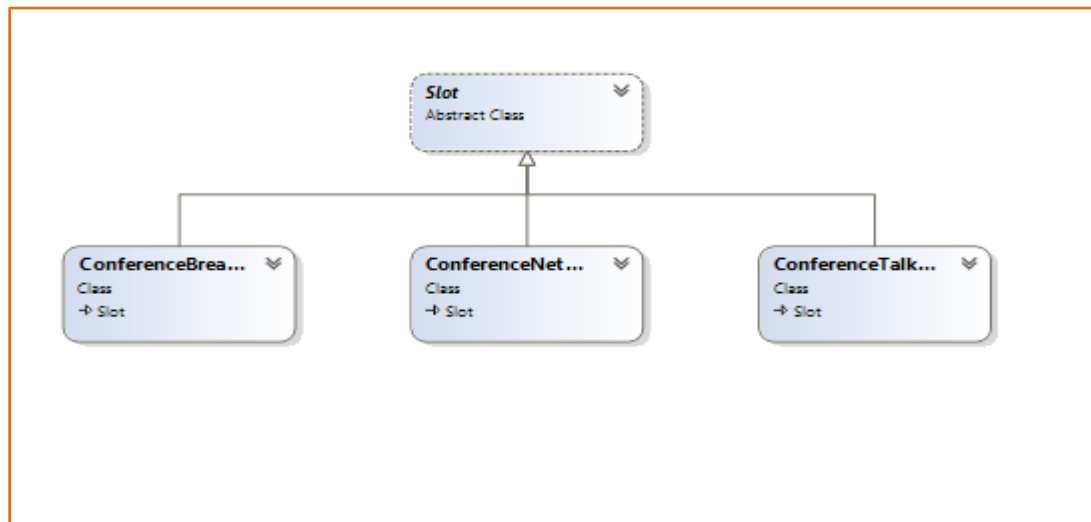
Conference Track Management

Krunal Shah

2016

Conference Track Management System

Class Diagram:



I have given total 2 test inputs, one which is given by thought works and another given by me.

Thoughtworks Input:

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*****Conference Tracking Management System*****
*****TEST INPUTS GIVEN BY THOUGHTWORKS*****
*****
Track 1:
*****

Morning Session
*****
09:00:00      Rails Magic      60Min
10:00:00      Ruby on Rails: Why We Should Move On 60Min
11:00:00      Writing Fast Tests Against Enterprise Rails 60Min
Lunch Break   12:00:00      01:00:00
*****

Evening Session
*****
01:00:00      Pair Programming vs Noise      45Min
01:45:00      Clojure Ate Scala (on my project) 45Min
02:30:00      Overdoing it in Python 45Min
03:15:00      Ruby Errors from Mismatched Gem Versions 45Min
04:00:00      Common Ruby Errors 45Min
Networking Event 04:45:00
*****

Track 2:
*****

Morning Session
*****
09:00:00      Ruby on Rails Legacy App Maintenance 60Min
10:00:00      Communicating Over Distance 60Min
11:00:00      Accounting-Driven Development 45Min
Lunch Break   12:00:00      01:00:00
*****

Evening Session
*****
01:00:00      Woah 30Min
01:30:00      Sit Down and Write 30Min
02:00:00      Programming in the Boondocks of Seattle 30Min
02:30:00      Ruby vs. Clojure for Back-End Development 30Min
03:00:00      A World Without HackerNews 30Min
03:30:00      User Interface CSS in Rails Apps 30Min
04:00:00      Lua for the Masses 30Min
04:30:00      Rails for Python Developers 30Min
Networking Event 05:00:00
*****
```

Test Inputs by Me:

*****TEST INPUTS GIVEN BY ME*****			
*****Track 1:*****			
Morning Session			
09:00:00	Communicating Over Distance	60Min	
10:00:00	Writing Fast Tests Against Enterprise Rails	60Min	
11:00:00	Ruby on Rails Legacy App Maintenance	60Min	
Lunch Break	12:00:00	01:00:00	
*****Evening Session*****			
01:00:00	.NET Errors from Mismatched Gem Versions	45Min	
01:45:00	For Ruby Champions	45Min	
02:30:00	Clojure Ate Scala (on my project)	45Min	
03:15:00	Pair Programming vs Noise	45Min	
04:00:00	Overdoing it in Python	45Min	
Networking Event	04:45:00		
*****Track 2:*****			
Morning Session			
09:00:00	Rails Magic	60Min	
10:00:00	Ruby on Rails: Why We Should Move On	60Min	
11:00:00	Personality Development	45Min	
Lunch Break	12:00:00	01:00:00	
*****Evening Session*****			
01:00:00	Singing for Python Developers	30Min	
01:30:00	Happy Hours	30Min	
02:00:00	Programming in the Boondocks of Seattle	30Min	
02:30:00	A World Without HackerNews	30Min	
03:00:00	User Interface CSS in Rails Apps	30Min	
03:30:00	Ruby vs. Clojure for Back-End Development	30Min	
04:00:00	Sit Down and Write	30Min	
04:30:00	Lua for the Masses	30Min	
Networking Event	05:00:00		

Algorithm Conference Track Management System

Step 1: Configure Event Tracks and Time Limits of Complete Conference.

Step 2: Prepare Slots for Morning and Evening, also configure Networking event and Lunch event time.

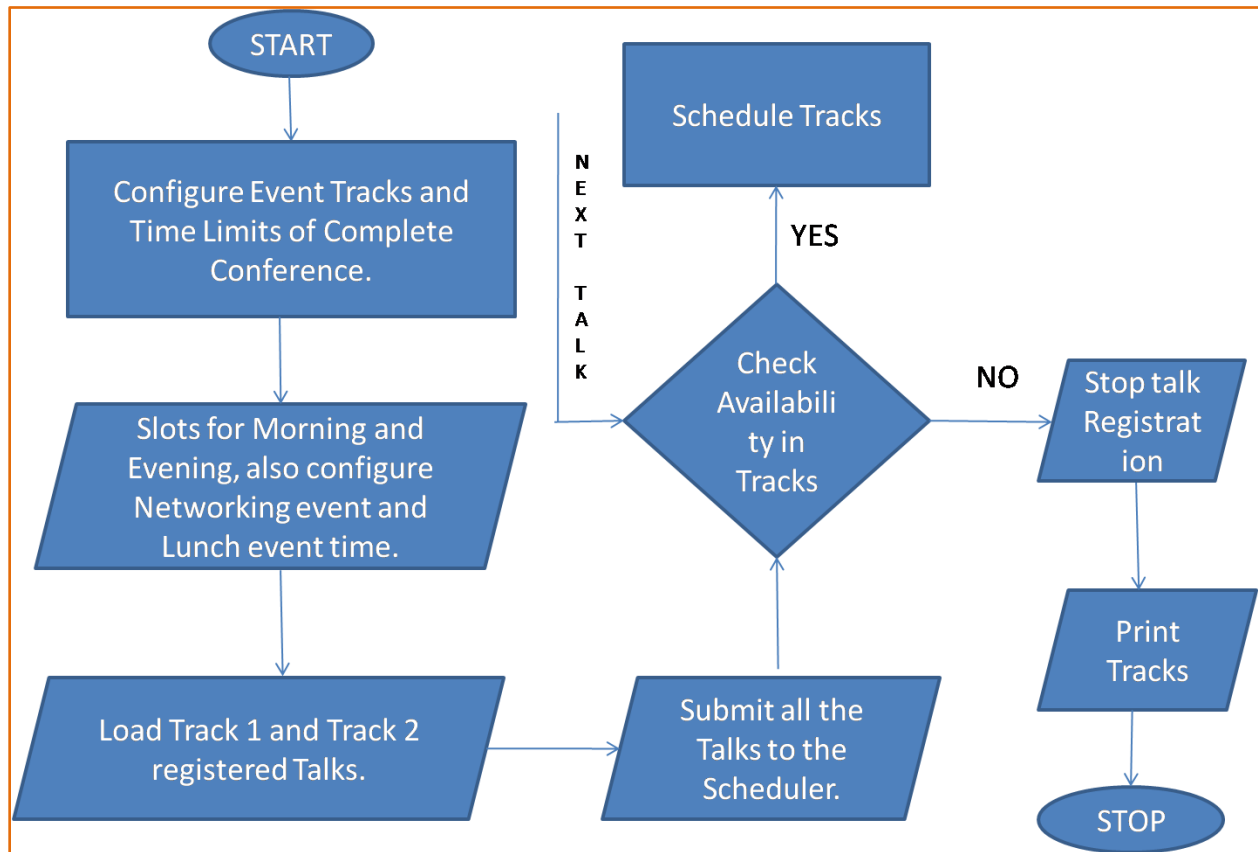
Step 3: Load Track 1 and Track 2 registered Talks.

Step 4: Submit all the Talks to the Scheduler.

Step 5: Check Availability in Tracks in Morning or evening Session. Also validate Networking and Lunch Event.

Step 6: Print all the Scheduled task scheduled by scheduler.

Flow Chart:



Project Architecture:

