**TODAY’S SCHEDULE**

**Software Requirements Specification**

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**INTRODUCTION**

NITT, being one of the most renowned institute, has innumerous events lined up, almost everyday. Schedule for these events are either communicated via posters, pamphlets or online websites. Though these sources are quite reliable but are often accessed rarely. Also, success key of every painstaking event lies in its marketing strategy. Thus, the need of the hour is to spread the word through the emergence of a mechanism, operating on a technology that everyone owns, ie,  cellphone.

**PURPOSE**

To combat the above stated problem I plan to design a software which would help the event scheduler to communicate the daily agenda along with the changes, if any, regarding the ongoing events such that everyone has the accurate and up-to-date information, right at their finger tips.

**SCOPE**

On similar lines, I have chosen this project “Today’s Events” which involves displaying the agenda of various events for the day as scheduled by an event scheduler. The scheduler needs to login in order to add event plan which can be referred by the students throughout the day. The project includes a simple user friendly interface, capable of creating event roasters, storing events, displaying schedule, deleting event plans, etc.

**Features** :

1. **Create newschedulers**
2. **Create event roasters**
3. **Store event plans**
4. **Update schedule**
5. **Display day’s roaster**
6. **Remove agenda**
7. **Delete or update exiting scheduler**

**TECHNOLOGIES TO BE USED**

Following technologies are to be used in this project:

1. **HTML5:** Application architecture.
2. **XML:** GUI.
3. **PhpMySQL:** Database.

**XAMPP:** Server

1. **PHP :** Backend coding

**PRODUCT DESCRIPTION**

1. **Software Interface**

Front End Client: XML

Web Server: XAMPP

Data Base Server: APACHE

Back End: PHP

**REPORT ON CONFIGURATION DEFAULTCONFIG**

Packages

Default

Language: C++

Globals:

TS

Language: C++

Object Model Diagrams:

# TS

****

Overridden Properties

Subjects:

Format

Metaclasses:

Class

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,34,84,148

Font.Size: 10

Line.LineColor: 121,122,0

Object

Properties:

Font.Underline@Child.NameCompartment@Name: 1

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,34,84,148

Font.Size: 10

Line.LineColor: 121,122,0

Sequence Diagrams:

# TS

****

Overridden Properties

Subjects:

Format

Metaclasses:

InstanceLine

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,0

Fill.FillColor: 255,255,255

Font.Font: Arial

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 121,122,0

Message

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 0,112,0

EnvironmentLine

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Fill.FillColor: 255,255,255

Font.Font: Arial

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 0,0,0

SequenceDiagram

Metaclasses:

General

Properties:

ClassCentricMode: True

RealizeMessages: True

CleanupRealized: True

Use Case Diagrams:

# Today’s Schedule

****

Overridden Properties

Subjects:

Format

Metaclasses:

Actor

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,26,84,168

Font.Size: 10

Line.LineColor: 111,0,107

UseCase

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,21,129,92

Font.Size: 10

Line.LineColor: 111,0,107

System\_Border

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,228,240

Font.Size: 10

Line.LineColor: 111,0,107

Association

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 221,0,0

Events:

# AddAgenda

# DeleteAgenda

# evKeyPress

# ModifyAgenda

# RemoveAgenda

# Removeagenda

# SaveChanges

# UpdateAgenda

# ViewAgenda

# viewAgenda

Associations:

# InsertSchedule

End1: itsInput Agenda\_1, Multiplicity of 1

End2: itsEvent Scheduler\_1, Multiplicity of 1

# ModifySchedule

End1: itsUpdate Agenda, Multiplicity of 1

End2: itsEvent Scheduler, Multiplicity of 1

# signUp

End1: itsRegister\_1, Multiplicity of 1

End2: itsEvent Scheduler\_1, Multiplicity of 1

# ViewSchedule

End1: itsStudent, Multiplicity of 1

End2: itsView Agenda, Multiplicity of 1

Globals:

Classes:

# Display

Objects:

itsKeyReader

Implicit, Multiplicity of 1

Association Ends:

itsDisplay

Association with Display, Multiplicity of 1, Bi-directional, Navigable

Operations:

evKeyPress

Reception

processKey

Primitive-operation , Public, Return type is void

Args:

char argument\_0

ViewAgenda

Primitive-operation , Public, Return type is void

Statechart



Overridden Properties

Subjects:

Format

Metaclasses:

StateChartConditionConnector

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 152,158,231

DefaultSize: 0,0,25,23

Font.Size: 10

Line.LineColor: 0,0,0

DanglingTransition

Properties:

Line.LineWidth: 2

Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,0,96,60

Font.Size: 10

Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

WaitForKeys

WaitForKeys

Or-state

Out Transition

evKeyPress

Condition Connector

Branches:

[[params.key == 'a']/itsTS.gen(new AddAgenda());]

Target:

WaitForKeys

[[params.key == 'u']/itsTS.gen(new UpdateAgenda());]

Target:

WaitForKeys

[[params.key == 'd']/itsTS.gen(new DeleteAgenda());]

Target:

WaitForKeys

[[params.key == 'v']/itsTS.gen(new ViewAgenda());]

Target:

WaitForKeys

# EventScheduler

# KeyReader

Overridden Properties

Subjects:

CG

Metaclasses:

Class

Properties:

Concurrency: active

Activity



Overridden Properties

Subjects:

Format

Metaclasses:

Action

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Fill.FillColor: 255,255,255

Font.Font: Arial

DefaultSize: 0,0,95,60

Font.Size: 10

Line.LineColor: 0,112,0

FreeText

Properties:

Font.Height: 13

Fill.Transparent\_Fill: 1

Multiline: True

Line.Transparent: 1

Wordbreak: False

VertAlign: 0

Font.Font: Arial

HorzAlign: 0

Font.Size: 10

DanglingTransition

Properties:

Line.LineWidth: 2

Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Fill.FillColor: 255,255,255

Font.Font: Arial

DefaultSize: 0,0,96,60

Line.LineStyle: 0

Font.Size: 10

Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

action\_1

Default Transition

Target:

action\_1

action\_1

Action State

Out Transition

Stereotypes:

ControlFlow

Target:

action\_1

# TodaysSchedule

Objects:

eventScheduler

Object of EventScheduler, Multiplicity of 1

student

Object of Student, Multiplicity of 1

Operations:

AddAgenda

Primitive-operation , Public, Return type is void

AddAgenda

Reception

DeleteAgenda

Reception

DeleteAgenda

Primitive-operation , Public, Return type is void

event\_16

Reception

ModifyAgenda

Reception

RemoveAgenda

Reception

Removeagenda

Reception

SaveChanges

Reception

UpdateAgenda

Reception

UpdateAgenda

Primitive-operation , Public, Return type is void

ViewAgenda

Primitive-operation , Public, Return type is void

viewAgenda

Reception

ViewAgenda

Reception

Attributes:

EventName

Type of char\*, Public, Multiplicity of 1

Occassion

Type of char\*, Public, Multiplicity of 1

SchedulerName

Type of char\*, Public, Multiplicity of 1

Time

Type of char\*, Public, Multiplicity of 1

Statechart



Overridden Properties

Subjects:

Format

Metaclasses:

DiagramConnector

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 152,158,231

DefaultSize: 0,0,55,24

Font.Size: 10

Line.LineColor: 0,0,0

HistoryConnector

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 152,158,231

DefaultSize: 0,0,25,23

Font.Size: 10

Line.LineColor: 0,0,0

DanglingTransition

Properties:

Line.LineWidth: 2

Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,0,96,60

Font.Size: 10

Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

Displaying

Updating

Displaying

Or-state

Updating

Or-state

Substates:

Delete

Insert

Update

Default Transition

Target:

Insert

History Transition

ViewAgenda

Displaying

Delete

Or-state

Out Transition

DeleteAgenda

Target:

Done

Insert

Or-state

Out Transition

AddAgenda

Target:

Update

Update

Or-state

Out Transition

UpdateAgenda

Target:

Delete

Done

Diagram Connector

Out Transition

Target:

Displaying

Done

Diagram Connector

Actors:

# Event Scheduler

Association Ends:

itsInput Agenda

h

Association with Input Agenda, Multiplicity of 1, Bi-directional, Navigable

itsInput Agenda\_1

InsertSchedule

Association with Input Agenda, Multiplicity of 1, Bi-directional, Navigable

itsRegister

Association with Register, Multiplicity of 1, Bi-directional, Navigable

itsRegister\_1

signUp

Association with Register, Multiplicity of 1, Bi-directional, Navigable

itsUpdate Agenda

ModifySchedule

Association with Update Agenda, Multiplicity of 1, Bi-directional, Navigable

# Student

Association Ends:

itsView Agenda

ViewSchedule

Association with View Agenda, Multiplicity of 1, Bi-directional, Navigable

Use Cases:

# Input Agenda

Association Ends:

itsEvent Scheduler

itsEvent Scheduler\_1

# Register

Association Ends:

itsEvent Scheduler

itsEvent Scheduler\_1

# Update Agenda

Association Ends:

itsEvent Scheduler

# View Agenda

Association Ends:

itsStudent

Components

DefaultComponent

Language: C++

Component Settings:

Build type: Executable

Configurations:

# DefaultConfig

Scope type: Explicit

Instrumentation type: None

Time-model type: Real-time

Statechart generation type: Flat

Files and Folders:

**SCHEMA AND TABLES DESCRIPTION**

Following tables are used in the project :-

Table**Scheduler**

|  |  |
| --- | --- |
| FirstName  LastName  UserName  Password  Phone | Primary key |

Table **Occasion**

|  |  |
| --- | --- |
| UserName  OccasionName | Primary key  Primary key |

Table **Schedule**

|  |  |
| --- | --- |
| Occasion  Date  Time  Venue  Event | Primary key  Primary key  Primary key  Primary key |

**E-R Diagrams**

SCHEDULER

OCCASION

has

plans

**SCHEDULER**

creates

**OCCASION**

**SCHEDULE**

**Data Flow Diagram**

Creates/ Updates/ Deletes Occasions

**STUDENT**

**SCHEDULER**