**UNIT TEST**

|  |  |
| --- | --- |
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| UT | Class NewsService : getNews() : List<News> |
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| UT | Class News : setNewsId(newsId : Long) : void |
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| UT | Class News : setNewsName(newsName : String) : void |
| UT | Class News : getNewsDate() : date |
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| UT | Class News : getNewsTime() : time |
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| UT | Class editNews page : verifyTypeOfPicture() |

**UT01** Class UserService: getUser() : List<User>  
**Description** : Test for getting a list of all user account.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | - | {user1,user2,user3} |  |  |
| 02 | Null | Return null |  |  |

**UT02** Class UserService: getUserById(long id) : User  
**Description** : Test for get user’s information by id from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | userId = 1  userId = 4 | Get the list of user which contains user id 1 and 4. |  |  |
| 02 | userId = 1,  userId = 2,  userId = 3 | Get the list of user which contains user id 1, 2 and 3. |  |  |
| 03 | Null | Return null |  |  |

**UT03** Class UserService: addUser(user : User) : User  
**Description** : Test for add user info into the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | f\_name = “tony”,  l\_name = “stark”,  username = “se55@vr.camt.info”,  password = “1234” | userId = “1” |  |  |
| 02 | f\_name = “captain”,  l\_name = “america”,  username = “se56@vr.camt.info”,  password = “4567” | userId = “2” |  |  |
| 03 | f\_name = “tony”,  l\_name = “stark”,  username = “se55@vr.camt.info”,  password = “1234” | null |  |  |
| 04 | Null | Return null |  |  |

**UT04** Class UserService: editUser(user : User) : User **Description** : Test for edit user from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | f\_name = “aaa”,  l\_name = “bbb”,  username = “se50@vr.camt.info”,  password = “1235” | f\_name = “aaa”,  l\_name = “bbb”,  username = “se50@vr.camt.info”,  password = “1235” |  |  |
| 02 | Null | Return null |  |  |

**UT05** Class UserService: verifyUsernamePassword(String username, String password) : User  
**Description** : Test for verify username and password are matching from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  |  |  |  |
| 02 |  |  |  |  |

**UT06** Class User: getUserId() : String  
**Description** : Test for getting user id that is set by setUserId(userId : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns user id. |  |  |
| 02 | Null | Return null |  |  |

**UT07** Class User : setId(userId : String) : void  
**Description** : Test for setting user id.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | userId = “1” | The userId is set as an input. |  |  |
| 02 | userId = “0” | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT08** Class User: getF\_name() : String  
**Description** : Test for getting fist name that is set by setF\_name(f\_name : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns fist name. |  |  |
| 02 | Null | Return null |  |  |

**UT09** Class User: setF\_name(f\_name : String) : void  
**Description** : Test for setting fist name.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | f\_name = “tony” | The f\_name is set as an input. |  |  |
| 02 | f\_name = 54 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT10** Class User: getL\_name() : String  
**Description** : Test for getting last name that is set by setL\_name(l\_name : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns last name. |  |  |
| 02 | Null | Return null |  |  |

**UT11** Class User: setL\_name(l\_name : String) : void  
**Description** : Test for setting last name.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | l\_name = “stark” | The l\_name is set as an input. |  |  |
| 02 | l\_name = 12 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT12** Class User: getUsername() : String  
**Description** : Test for getting username that is set by setUsername(username : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns username. |  |  |
| 02 | Null | Return null |  |  |

**UT13** Class User: setUsername(username : String) : void  
**Description** : Test for setting username.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | username = “se552115072@vr.camt.info” | The username is set as an input. |  |  |
| 02 | username = 12 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT14** Class User: getPassword() : String  
**Description** : Test for getting password that is set by setPassword(password : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns password. |  |  |
| 02 | Null | Return null |  |  |

**UT15** Class User: setPassword(password : String) : void  
**Description** : Test for setting password.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | password = “1234” | The username is set as an input. |  |  |
| 02 | password = 1224 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT16** Class User: getTypeUser() : String  
**Description** : Test for getting type of user that is setTypeUser(typeUser : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns type of user. |  |  |
| 02 | Null | Return null |  |  |

**UT17** Class User: setTypeUser(typeUser : String) : void  
**Description** : Test for setting type of user.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | typeUser = “admin” | The typeUser is set as an input. |  |  |
| 02 | typeUser = admin | The system is error with inputting wrong type. |  |  |
| 03 | typeUser = “user” | The typeUser is set as an input. |  |  |
| 04 | typeUser = user | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT18** Class EditHomePage : verifySizeOfPicture() **Description** : Test for verifying type of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” | The system displays a message “สำเร็จ”. |  |  |
| 02 | historyPictureLocation = hello.png | The system displays a message “ไฟล์ไม่ได้รับอนุญาต”. |  |  |
| 03 | historyPictureLocation = hello.gif | The system displays a message “ไฟล์ไม่ได้รับอนุญาต”. |  |  |
| 04 | Null | Return null |  |  |

**UT19** Class EditHomePage : verifyTypeOfPicture()  
**Description** : Test for verifying size of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” with size 240\*480 |  |  |  |
| 02 | historyPictureLocation = “hello.jpg” with size 600\*800 |  |  |  |
| 03 | historyPictureLocation = “hello.jpg” with size over 600\*800 | The system displays a message “ขนาดของรูปภาพใหญ่เกิน 600\*800”. |  |  |
| 04 | Null | Return null |  |  |

**UT** Class QuestionService : getQuestion() : List<Question>  
**Description** : Test for get a list of all question.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | - | {question1,question2,question3} |  |  |
| 02 | Null | Return null |  |  |

**UT** Class QuestionService : getQuestionById(questionId : String) : Question  
**Description** : Test for get question by id from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | questionId = 1  questionId = 4 | Get the list of user which contains user id 1 and 4. |  |  |
| 02 | questionId = 1,  questionId = 2,  questionId = 3 | Get the list of user which contains user id 1, 2 and 3. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class QuestionService : addQuestion(question : Question) : Question  
**Description** : Test for add question into the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | questionDes = “what’s Five Precept ?” | questionId = “1” |  |  |
| 02 | questionDes = “what date is Buddhist Lent Day ?” | questionId = “2” |  |  |
| 03 | questionDes = “what’s Five Precept ?” | questionId = “3” |  |  |
| 04 | Null | Return null |  |  |

**UT** Class QuestionService : deleteQuestion(question : Question) : Question

**Description** : Test for delete question from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | questionId = “1” |  |  |  |
| 02 | Null | Return null |  |  |

**UT** Class QuestionService : addAnswer(answer : Answer) : Answer  
**Description** : Test for add answer into the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | answerDes = “yes” | answerId = “1” |  |  |
| 02 | answerDes = “on 25th” | answerId = “2” |  |  |
|  | Null | Return null |  |  |

**UT** Class QuestionService : getUserQuestion(username : String): List<Question> **Description** : Test for get a list of all question from username

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | . |  |  |
| 02 |  |  |  |  |
| 03 | Null | Return null |  |  |

**UT** Class QuestionRepository : findQuestionByUserQuestion(username : String) : List<Question>  
**Description** : Test for find question by username.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | username = “se55@vr.camt.info” | questionDes = “what’s Five Precept ?” |  |  |
| 02 | username = “se55@vr.camt.info” | questionDes = “what date is Buddhist Lent Day ?” |  |  |
| 03 | username = “se99999@vr.camt.info” | Return null |  |  |
| 04 | Null | Return null |  |  |

**UT** Class Question: getQuestionId() : String  
**Description** : Test for getting question id that is set by setQuestionId(questionId : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns question id. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class Question: setQuestionId(questionId : String) : void  
**Description** : Test for setting question id.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | questionId = “1” | The questionId is set as an input. |  |  |
| 02 | questionId = “0” | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class Question: getQuestionDes() : String  
**Description** : Test for getting question description that is set by setQuestionDes(questionDes : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns question description. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class Question: setQuestionDes(questionDes : String) : void  
**Description** : Test for setting question description.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | questionDes = “what” | The questionDes is set as an input. |  |  |
| 02 | questionDes = what? | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class Question: getAnswerId() : String  
**Description** : Test for getting answer id that is set by setAnswerId(answerId : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns answer id. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class Question: setAnswerId(answerId : String) : void **Description** : Test for setting answer id.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | answerId = “1” | The answerId is set as an input. |  |  |
| 02 | answerId = 1 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class Question : getAnswerDes() : String  
**Description** : Test for getting answer description that is set by setAnswerDes(answerDes : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns answer description. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class Question : setAnswerDes(answerDes : String) : void **Description** : Test for setting answer description.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | answerDes = “yes” | The answerDes is set as an input. |  |  |
| 02 | answerDes = yes | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class HistoryService : getHistory() : List<History>  
**Description** : Test for getting history objects from database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | history1 |  |  |
| 02 | Null | Return null |  |  |

**UT** Class HistoryService : updateHistory(history : History) : History  
**Description** : Test for updating history into the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyDes = “this is temple history” historyPictureLocation = “??” | historyDes = “this is temple history” historyPictureLocation = “??” |  |  |
| 02 | Null | Return null |  |  |

**UT** Class HistoryService : addHistory() : History  
**Description** : Test for adding history into the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyDes = “this is temple history” historyPictureLocation = “??” | historyId=”1” |  |  |
| 02 | Null | Return null |  |  |

**UT** Class History : getHistoryDes(): String  
**Description** : Test for getting history description that is set by setHistoryDes() : void.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns history description. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class History : setHistoryDes(historyDes : String) : void  
**Description** : Test for setting history description.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyDes = “This is temple description” | The historyDes is set as an input. |  |  |
| 02 | historyDes = 50 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class History : getPictureHistoryLocation() : String  
**Description** : Test for getting location of the picture that is set by setPictureHistoryLocation(historyPictureLocation : String) : void.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns an URL of the picture. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class History : setPictureHistoryLocation(historyPictureLocation : String) : void  
**Description** : Test for setting history description.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” | The historyPictureLocation is set as an input location. |  |  |
| 02 | historyPictureLocation = hello.jpg | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class editHistory page : verifyTypeOfPicture()  
**Description** : Test for verifying type of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” | The system displays a message “สำเร็จ”. |  |  |
| 02 | historyPictureLocation = hello.png | The system displays a message “ไฟล์ไม่ได้รับอนุญาต”. |  |  |
| 03 | historyPictureLocation = hello.gif | The system displays a message “ไฟล์ไม่ได้รับอนุญาต”. |  |  |
| 04 | Null | Return null |  |  |

**UT09** Class editHistory page : verifySizeOfPicture()  
**Description** : Test for verifying size of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” with size 240\*480 |  |  |  |
| 02 | historyPictureLocation = “hello.jpg” with size 600\*800 |  |  |  |
| 03 | historyPictureLocation = “hello.jpg” with size over 600\*800 | The system displays a message “ขนาดของรูปภาพใหญ่เกิน 600\*800”. |  |  |
| 04 | Null | Return null |  |  |

**UT** Class NewsService : getNews() : List<News>  
**Description** : Test for get a list of all news.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | - | {news1,news2,news3} |  |  |
| 02 | Null | Return null |  |  |

**UT** Class NewsService : updateNews(news : News) : News  
**Description** : Test for edit news from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsName = “**Magha Puja Day**”  newsDate = 4/03/2558  newsTime = 14:52 newsPlace = “[Wat Chedi Luang](https://www.google.co.th/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CBwQFjAA&url=http%3A%2F%2Fwww.engjang.com%2Farticle%2Ftopic-30895.html&ei=0CNDVfTuAaLMmAWtj4HYDA&usg=AFQjCNFYmZDj3eNRa4blsE1_GeFYvztOqw&sig2=qoVpsjbCsXwgB38qyA9LEA&bvm=bv.92189499,d.dGY)” newsPictureLocation = “img/554.jpg” | newsName = “**Magha Puja Day**”  newsDate = 4/03/2558  newsTime = 14:52 newsPlace = “[Wat Chedi Luang](https://www.google.co.th/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CBwQFjAA&url=http%3A%2F%2Fwww.engjang.com%2Farticle%2Ftopic-30895.html&ei=0CNDVfTuAaLMmAWtj4HYDA&usg=AFQjCNFYmZDj3eNRa4blsE1_GeFYvztOqw&sig2=qoVpsjbCsXwgB38qyA9LEA&bvm=bv.92189499,d.dGY)” newsPictureLocation = “img/554.jpg” |  |  |
| 02 |  |  |  |  |
| 03 | Null | Return null |  |  |

**UT** Class NewsService : addNews(news : News) : News  
**Description** : Test for add news into the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsName = “**Magha Puja Day**”  newsDate = 4/03/2558  newsTime = 14:52 newsPlace = “[Wat Chedi Luang](https://www.google.co.th/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CBwQFjAA&url=http%3A%2F%2Fwww.engjang.com%2Farticle%2Ftopic-30895.html&ei=0CNDVfTuAaLMmAWtj4HYDA&usg=AFQjCNFYmZDj3eNRa4blsE1_GeFYvztOqw&sig2=qoVpsjbCsXwgB38qyA9LEA&bvm=bv.92189499,d.dGY)” newsPictureLocation = “img/554.jpg” | newsId = “1” |  |  |
| 02 | newsName = “**Magha Puja Day**”  newsDate = 4/03/2558  newsTime = 14:52 newsPlace = “[Wat Chedi Luang](https://www.google.co.th/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CBwQFjAA&url=http%3A%2F%2Fwww.engjang.com%2Farticle%2Ftopic-30895.html&ei=0CNDVfTuAaLMmAWtj4HYDA&usg=AFQjCNFYmZDj3eNRa4blsE1_GeFYvztOqw&sig2=qoVpsjbCsXwgB38qyA9LEA&bvm=bv.92189499,d.dGY)” newsPictureLocation = “img/554.jpg” | newsId = “2” |  |  |
| 03 |  | null |  |  |
| 04 | Null | Return null |  |  |

**UT** Class NewsService : deletedNews(Long newsId) : News

**Description** : Test for delete news from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsId = “1” |  |  |  |
| 02 | Null | Return null |  |  |

**UT** Class News : getNewsId() : Long   
**Description** : Test for getting news id that is set by setNewsId(newsId : Long) : void.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns news id. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class News : setNewsId(newsId : Long) : void

**Description** : Test for setting news id.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsId = “1” | The newsId is set as an input id. |  |  |
| 02 | newsId = 1 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class News : getNewsName() : String  
**Description** : Test for getting news name that is set by setNewsName(newsName : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns news name. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class News : setNewsName(newsName : String) : void  
**Description** : Test for setting news name.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsName = “[Magha Puja Day](http://www.recovery.ac.th/article/magkapuja.htm) ” | The newsName is set as an input. |  |  |
| 02 | newsName = 50 | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class News : getNewsDate() : date  
**Description** : Test for getting news date that is set by setNewsDate(newsDate : date) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns news name. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class News : setNewsDate(newsDate : date) : void  
**Description** : Test for setting news date.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsDate = 14/03/58 | The newsDate is set as an input. |  |  |
| 02 | newDate =  “Monday 6th” | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class News : getNewsTime() : time  
**Description** : Test for getting news time that is set by setNewsTime(newsTime : time) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns news name. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class News : setNewsTime(newsTime : time) : void  
**Description** : Test for setting news time.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsTime = 21:00 | The newsTime is set as an input. |  |  |
| 02 | newTime =  “9 pm” | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class News : getNewsPlace() : String  
**Description** : Test for getting news place that is set by setNewsPlace (newsPlace : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns news name. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class News : setNewsPlace (newsPlace : String) : void  
**Description** : Test for setting news place.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | newsPlace = “at temple” | The newsPlace is set as an input. |  |  |
| 02 | newsPlace = at temple | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT** Class News : getPictureHistoryLocation() : String  
**Description** : Test for getting history picture that is set by setNewsPlace (newsPlace : String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system returns history picture. |  |  |
| 02 | Null | Return null |  |  |

**UT** Class News : setPictureHistoryLocation(historyPictureLocation : String) : void  
**Description** : Test for setting news place.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | pictureHistoryLocation = “temple1.jpg” | The pictureHistoryLocation is set as an input. |  |  |
| 02 | pictureHistoryLocation = temple1.jpg | The system is error with inputting wrong type. |  |  |
| 03 | Null | Return null |  |  |

**UT08** Class editNews page : verifyTypeOfPicture()  
**Description** : Test for verifying type of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” | The system displays a message “สำเร็จ”. |  |  |
| 02 | historyPictureLocation = hello.png | The system displays a message “ไฟล์ไม่ได้รับอนุญาต”. |  |  |
| 03 | historyPictureLocation = hello.gif | The system displays a message “ไฟล์ไม่ได้รับอนุญาต”. |  |  |
| 04 | Null | Return null |  |  |

**UT09** Class editNews page : verifySizeOfPicture()  
**Description** : Test for verifying size of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” with size 240\*480 |  |  |  |
| 02 | historyPictureLocation = “hello.jpg” with size 600\*800 |  |  |  |
| 03 | historyPictureLocation = “hello.jpg” with size over 600\*800 | The system displays a message “ขนาดของรูปภาพใหญ่เกิน 600\*800”. |  |  |
| 04 | Null | Return null |  |  |