**UNIT TEST**

|  |  |
| --- | --- |
| Unit Test | Test Feature |
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| UT02 | Class UserService : getUserById(long id) : User |
| UT03 | Class UserService : addUser(user : User) : User |
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| UT05 | Class UserService : verifyUsernamePassword(String username, String password) : User |
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| UT | Class History : setPictureHistoryLocation(historyPictureLocation : String) : void |
| UT | Class editHistory page : verifyTypeOfPicture() |
| UT | Class editHistory page : verifySizeOfPicture() |
| UT | Class NewsService : getNews() : List<News> |
| UT | Class NewsService : updateNews(news : News) : News |
| UT | Class NewsService : addNews(news : News) : News |
| UT | Class NewsService : deletedNews(Long newsId) : News |
| UT | Class News : getNewsId() : Long |
| UT | Class News : setNewsId(newsId : Long) : void |
| UT | Class News : getNewsName() : String |
| UT | Class News : setNewsName(newsName : String) : void |
| UT | Class News : getNewsDate() : date |
| UT | Class News : setNewsDate(newsDate : date) : void |
| UT | Class News : getNewsTime() : time |
| UT | Class News : setNewsTime(newsTime : time) : void |
| UT | Class News : getNewsPlace() : String |
| UT | Class News : setNewsPlace (newsPlace : String) : void |
| UT | Class News : getPictureHistoryLocation() : String |
| UT | Class News : setPictureHistoryLocation(historyPictureLocation : String) : void |
| UT | Class editNews page : verifySizeOfPicture() |
| UT | Class editNews page : verifyTypeOfPicture() |
| UT | Class ContactService: getContact() : List<Contact> |
| UT | Class ContactService: editContact(contact: Contact) : Contact |
| UT | Class Contact: getContactID() : Long |
| UT | Class Contact: setContactID(contactID: Long) : void |
| UT | Class Contact: getContactTel() : String |
| UT | Class Contact: setContactTel(contactTel: String) : void |
| UT | Class Contact: getContactPlace() : String |
| UT | Class Contact: setContactPlace(contactPlace: String) : void |
| UT | Class Contact: getContactFacebook() : String |
| UT | Class Contact: setContactFacebook() : void |
| UT | Class GalleryService: getGallery() : List<Gallery> |
| UT | Class GalleryService: getGallery(id : Long) : Gallery |
| UT | Class GalleryService: getPicture(picture : Picture) : Picture |
| UT | Class GalleryService: addGallery(gallery : Gallery) : Gallery |
| UT | Class GalleryService: addPicture(picture : Picture) : Picture |
| UT | Class GalleryService: deletePicture(picture : Picture) : Picture |
| UT | Class GalleryService: updatePicture(picture : Picture) : Picture |
| UT | Class GalleryService: editGallery(gallery : Gallery) : Gallery |
| UT | Class GalleryAdminUI: verifySizeOfPicture() : void |
| UT | Class GalleryAdminUI: verifyTypeOfPicture() : void |

**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 | {user1,user4} |  |  |
| 02 | userId = 1,  userId = 2,  userId = 3 | {user1,user2,user3} |  |  |
| 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

พวก get method Expected ต้องเป็น {1,2,3,4,5,6} มั้ย / ไม่ชัวเหมือนกันนะ มันรีเทินออกมาเป็นอาร์เรย์เลยหรอ (ไม่รู้จริมๆ)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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.

✓พวก set method Expected ต้องเป็น userId = 1 ป่าวงะ

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | userId = “1” | userId = 1 |  |  |
| 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” | f\_name = tony |  |  |
| 02 | f\_name = 54 | The system is error with inputting wrong type.  Return null |  |  |
| 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” | l\_name = stark |  |  |
| 02 | l\_name = 12 | The system is error with inputting wrong type.  Return null |  |  |
| 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” | username = se552115072@vr.camt.info |  |  |
| 02 | username = 12 | The system is error with inputting wrong type.  Return null |  |  |
| 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” | password = 1234 |  |  |
| 02 | password = 1224 | The system is error with inputting wrong type.  Return null |  |  |
| 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” | typeUser = admin |  |  |
| 02 | typeUser = admin | The system is error with inputting wrong type.  Return null |  |  |
| 03 | typeUser = “user” | typeUser = user |  |  |
| 04 | typeUser = user | The system is error with inputting wrong type.  Return null |  |  |
| 03 | Null | Return null |  |  |

**UT19** Class EditHomePage : 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 | historyPictureLocation = hello.jpg with size 240\*480 |  |  |
| 02 | historyPictureLocation = “hello.jpg” with size 600\*800 | historyPictureLocation = hello.jpg with size 600\*800 |  |  |
| 03 | historyPictureLocation = “hello.jpg” with size over 600\*800 | The system is error with inputting wrong type.  Return null |  |  |
| 04 | Null | Return null |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” | historyPictureLocation = hello.jpg |  |  |
| 02 | historyPictureLocation = “hello.png” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | historyPictureLocation = “hello.gif” | The system is error with inputting wrong type.  Return null |  |  |
| 04 | Null | Return null |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 getting questions by id from the database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | questionId = 1  questionId = 4 | {question1,question4} |  |  |
| 02 | questionId = 1,  questionId = 2,  questionId = 3 | {question1,question2,question3} |  |  |
| 03 | Null | Return null |  |  |

**UT** Class QuestionService : addQuestion(question : Question) : Question  
**Description** : Test for adding questions 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 deleting questions 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 adding answers 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 getting a list of all questions from received 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 finding questions by username.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | username = “se55@vr.camt.info” | questionId = 1,  questionDes = “what’s Five Precept ?”  questionId = 2,  questionDes = “what’s it?” |  |  |
| 02 | username = “se57@vr.camt.info” | questionId = 2,  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.  {1,2,3,4,5,6} ? |  |  |
| 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” | questionId = 1 |  |  |
| 02 | questionId = “0” | The system is error with inputting wrong type.  Return null |  |  |
| 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” | questionDes = what |  |  |
| 02 | questionDes = what? | The system is error with inputting wrong type.  Return null |  |  |
| 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.  {1,2,3} |  |  |
| 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.  Return null |  |  |
| 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” | answerDes = yes |  |  |
| 02 | answerDes = yes | The system is error with inputting wrong type.  Return null |  |  |
| 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 list |  |  |
| 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” | historyDes = This is temple description |  |  |
| 02 | historyDes = 50 | The system is error with inputting wrong type.  Return null |  |  |
| 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.  ต้องเป็น ชื่อไฟล์รูปงี้มั้ยวะ |  |  |
| 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” | historyPictureLocation = hello.jpg |  |  |
| 02 | historyPictureLocation = hello.jpg | The system is error with inputting wrong type.  Return null |  |  |
| 03 | Null | Return null |  |  |

**UT** Class EditHistory : 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 | historyPictureLocation = hello.jpg with size 240\*480 |  |  |
| 02 | historyPictureLocation = “hello.jpg” with size 600\*800 | historyPictureLocation = hello.jpg with size 600\*800 |  |  |
| 03 | historyPictureLocation = “hello.jpg” with size over 600\*800 | The system is error with inputting wrong type.  Return null |  |  |
| 04 | Null | Return null |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” | historyPictureLocation = hello.jpg |  |  |
| 02 | historyPictureLocation = “hello.png” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | historyPictureLocation = “hello.gif” | The system is error with inputting wrong type.  Return null |  |  |
| 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” | newsId=”1” deleted |  |  |
| 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” | newsId = “1” |  |  |
| 02 | newsId = 1 | The system is error with inputting wrong type.  Return null |  |  |
| 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)” | newsName = “[Magha Puja Day](http://www.recovery.ac.th/article/magkapuja.htm)” |  |  |
| 02 | newsName = 50 | The system is error with inputting wrong type.  Return null |  |  |
| 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 | newsDate = 14/03/58 |  |  |
| 02 | newDate =  “Monday 6th” | The system is error with inputting wrong type.  Return null |  |  |
| 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.  newsTime = 18:00 |  |  |
| 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 | newsTime = 21:00 |  |  |
| 02 | newTime =  “9 pm” | The system is error with inputting wrong type.  Return null |  |  |
| 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” | newsPlace = “at temple” |  |  |
| 02 | newsPlace = at temple | The system is error with inputting wrong type.  Return null |  |  |
| 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” | pictureHistoryLocation = “temple1.jpg” |  |  |
| 02 | pictureHistoryLocation = temple1.jpg | The system is error with inputting wrong type.  Return null |  |  |
| 03 | Null | Return null |  |  |

**UT** Class EditNews : 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 | historyPictureLocation = hello.jpg with size 240\*480 |  |  |
| 02 | historyPictureLocation = “hello.jpg” with size 600\*800 | historyPictureLocation = hello.jpg with size 600\*800 |  |  |
| 03 | historyPictureLocation = “hello.jpg” with size over 600\*800 | The system is error with inputting wrong type.  Return null |  |  |
| 04 | Null | Return null |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | historyPictureLocation = “hello.jpg” | historyPictureLocation = hello.jpg |  |  |
| 02 | historyPictureLocation = “hello.png” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | historyPictureLocation = “hello.gif” | The system is error with inputting wrong type.  Return null |  |  |
| 04 | Null | Return null |  |  |

**UT62** Class ContactService: getContact() : List<Contact>

**Description:** Test for ensuring that this method can get the contact.

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

**UT63** Class ContactService: editContact(contact: Contact) : Contact

**Description:** Test for ensuring that this method can edit the contact.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | contactTel = “053-141321”  contactPlace = “  ถนนพระปกเกล้า ตำบลพระสิงห์ อำเภอ เมือง จ เชียงใหม่ 50200 “  contactFacebook = “https://www.facebook.com/jadl.chiangmai?fref=ts  “ | contactTel = “053-141321”  contactPlace = “  ถนนพระปกเกล้า ตำบลพระสิงห์ อำเภอ เมือง จ เชียงใหม่ 50200 “  contactFacebook = “https://www.facebook.com/jadl.chiangmai?fref=ts  “ |  |  |
| 02 | null | Return Null |  |  |

**UT64** Class Contact: getContactID() : Long

**Description:** Test for getting contact ID that is set by setContactID(contactID: Long) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system return contact ID. |  |  |
| 02 | null | Return null |  |  |

**UT65** Class Contact: setContactID(contactID: Long) : void

**Description:** Test for setting contact ID.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | contactID =1 | contactID =1 |  |  |
| 02 | contactID =0 | The system is error with inputting wrong type.  Return null |  |  |
| 03 | null | Return null |  |  |

**UT66** Class Contact: getContactTel() : String

**Description:** Test for getting contact telephone that is set by setContactTel(contactTel: String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system return contact telephone. |  |  |
| 02 | null | Return null |  |  |

**UT67** Class Contact: setContactTel(contactTel: String) : void

**Description:** Test for setting contact telephone.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | contactTel =”053141122” | contactTel =”053141122” |  |  |
| 02 | contactTel =”telephone” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | null | Return null |  |  |

**UT68** Class Contact: getContactPlace() : String

**Description:** Test for getting contact address that is set by setContactPlace(contactPlace: String) : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system return contact address. |  |  |
| 02 | null | Return null |  |  |

**UT69** Class Contact: setContactPlace(contactPlace: String) : void

**Description:** Test for setting contact address.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | contactPlace=“  ถนนพระปกเกล้า ตำบลพระสิงห์ อำเภอ เมือง จ เชียงใหม่ 50200 “ | contactPlace=“  ถนนพระปกเกล้า ตำบลพระสิงห์ อำเภอ เมือง จ เชียงใหม่ 50200 “ |  |  |
| 02 | contactPlace =  ถนนพระปกเกล้า ตำบลพระสิงห์ อำเภอ เมือง จ เชียงใหม่ 50200 | The system is error with inputting wrong type.  Return null |  |  |
| 03 | null | Return null |  |  |

**UT70** Class Contact: getContactFacebook() : String

**Description:** Test for getting contact facebook that is set by setContactFacebook() : void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system return link of contact facebook. |  |  |
| 02 | null | Return null |  |  |

**UT71** Class Contact: setContactFacebook() : void

**Description:** Test for setting contact facebook.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | contactFacebook=” https://www.facebook.com/jdl.chiangmai?fref=ts” | contactFacebook=” https://www.facebook.com/jdl.chiangmai?fref=ts” |  |  |
| 02 | contactFacebook=” 000000000” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | null | Return null |  |  |

**UT72** Class GalleryService: getGallery() : List<Gallery>

**Description:** Test for getting gallery.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system return list of gallery. |  |  |
| 02 | null | Return null |  |  |

**UT73** Class GalleryService: getGallery(id : Long) : Gallery

**Description:** Test for getting gallery by id.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system return gallery that is equal with the gallery ID. |  |  |
| 02 | null | Return null |  |  |

**UT74** Class GalleryService: getPicture(picture : Picture) : Picture

**Description:** Test for getting picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 |  | The system return pictures. |  |  |
| 02 | null | Return null |  |  |

**UT75** Class GalleryService: addGallery(gallery : Gallery) : Gallery

**Description:** Test for adding gallery.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | galleryName= “งานปอยหลวง”  galleryDate = ” 03/02/2015“ | galleryName= “งานปอยหลวง’  galleryDate = ” 03/02/2015“ |  |  |
| 02 | galleryName= “999042”  galleryDate = ” 03/02/2015“ | The system is error with inputting wrong type.  Return null |  |  |
| 03 | Null | Return null |  |  |

**UT76** Class GalleryService: addPicture(picture : Picture) : Picture

**Description:** Test for adding the picture into the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | pictureName= “image1.jpg” with size 300\*400  pictureLocation = ” /Users/Pimpaporn\_chaichompoo/  Desktop/ConsTest/image1.jpg” | pictureName= image1.jpg  pictureLocation = /Users/Pimpaporn\_chaichompoo/  Desktop/ConsTest/image1.jpg |  |  |
| 02 | pictureName= “image2.jpg” with size 800\*900  pictureLocation = ” /Users/Pimpaporn\_chaichompoo/  Desktop/ConsTest/image2.jpg” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | Null | Return null |  |  |

**UT77** Class GalleryService: deletePicture(picture : Picture) : Picture

**Description:** Test for deleting the picture from the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | pictureId = “1” | Picture id 1 is deleted from the database. |  |  |
| 02 | pictureId = “AA” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | Null | Return null |  |  |

**UT78** Class GalleryService: updatePicture(picture : Picture) : Picture

**Description:** Test for updating the picture from the database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | galleryID =1 | Update the gallery which id equal to 1. |  |  |
| 02 | gallertyID =2 | Update the gallery which id equal to 2. |  |  |
| 03 | Null | Return null |  |  |

**???? UT79** Class GalleryService: editGallery(gallery : Gallery) : Gallery

**Description:** Test for editing the picture.

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

**UT80** Class GalleryAdminUI: verifySizeOfPicture() : void **Description** : Test for verifying size of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | pictureLocation = “hello.jpg” with size 240\*480 | pictureLocation = hello.jpg with size 240\*480 |  |  |
| 02 | pictureLocation = “hello.jpg” with size 600\*800 | pictureLocation = hello.jpg with size 600\*800 |  |  |
| 03 | pictureLocation = “hello.jpg” with size over 600\*800 | The system is error with inputting wrong type.  Return null |  |  |
| 04 | Null | Return null |  |  |

**UT81** Class GalleryAdminUI: verifyTypeOfPicture() : void

**Description** : Test for verifying type of picture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC id | Input | Expected Output | Actual Output | Pass/Fail |
| 01 | pictureLocation = “hello.jpg” | pictureLocation = hello.jpg |  |  |
| 02 | pictureLocation = “hello.png” | The system is error with inputting wrong type.  Return null |  |  |
| 03 | pictureLocation = “hello.gif” | The system is error with inputting wrong type.  Return null |  |  |
| 04 | Null | Return null |  |  |