Web Services Introductions for Version 1.0

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| Class name:  Login.class  NAMESPACE = "http://webServices.rb.com";  URL = "http://Your ip address and port/RecipeBankWebServices/services/Login?wsdl";  SOAP\_ACTION = "http://webServices.rb.com/Method Name";  METHOD\_NAME = "Method Name"; | | | | |
| Modifier and Type | Method Name | | | Description |
| String | loginGetStringTypeStatus(String userName, String password) | | | Test username and password for login to the app.  Return type is a string. |
| Int | loginGetIntTypeStatus(String userName, String password) | | | Test username and password for login to the app.  Return type is an integer. |
| boolean | loginGetBoolenTypeStatus(String userName, String password) | | | Test username and password for login to the app.  Return type is a boolean. |
| **Method Detail:** | | | | |
| loginGetStringTypeStatus | | | | |
| **Parameters:**  User name  password  **Returns:**  Return a string "Connection Success!" or "Connection Failed!”. | | | | |
| loginGetIntTypeStatus | | | | |
| **Parameters:**  User name  password  **Returns:**  Return int type, 0 means failed, 1 means success. | | | | |
| loginGetBoolenTypeStatus | | | | |
| **Parameters:**  User name  password  **Returns:**  Return a boolean , true means success. False means failed. | | | | |
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| Class name:  Category.class  NAMESPACE = "http://webServices.rb.com";  URL = "http://Your ip address and port/RecipeBankWebServices/services/Category?wsdl";  SOAP\_ACTION = "http://webServices.rb.com/Method Name";  METHOD\_NAME = "Method Name"; | | | | |
| Modifier and Type | Method Name | | | Description |
| String | getAllCategories() | | | Get all categories’ information stored in database. |
| **Method Detail:** | | | | |
| getAllCategories | | | | |
| **Parameters:**  No parameter.  **Returns:**  Return a Json format string.  Example:  [{"CatagoryTitle":"Entree","CatagoryId":"1"},{"CatagoryTitle":"Side Dish","CatagoryId":"2"},{"CatagoryTitle":"Meat","CatagoryId":"3"},{"CatagoryTitle":"Veggie","CatagoryId":"4"},{"CatagoryTitle":"Noodles","CatagoryId":"5"},{"CatagoryTitle":"Fried","CatagoryId":"6"},{"CatagoryTitle":"Dressing","CatagoryId":"7"},{"CatagoryTitle":"Sauce","CatagoryId":"8"},{"CatagoryTitle":"Pasta","CatagoryId":"9"},{"CatagoryTitle":"Salad","CatagoryId":"10"},{"CatagoryTitle":"Asian","CatagoryId":"11"},{"CatagoryTitle":"Low Calorie","CatagoryId":"12"}] | | | | |
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| Class name:  Recipe.class  NAMESPACE = "http://webServices.rb.com";  URL = "http://Your ip address and port/RecipeBankWebServices/services/Recipe?wsdl";  SOAP\_ACTION = "http://webServices.rb.com/Method Name";  METHOD\_NAME = "Method Name"; | | |
| Modifier and Type | Method Name | Description |
| String | getAllRecipes() | Request to select all the recipe from the database and return the data in JsonArray format |
| String | getRecipeByAccount(int accountId) | Request to return the recipe record of the account ID in JsonArray format |
| String | getRecipeByAccountWithAmount(int accountId, int amount) | Request to return a number of recipe record of the account ID in JsonArray format |
| String | getRecipesAsYouWant(int amount) | Request to return the number of the recipe record in JsonArray format |
| String | getRecipeDetails(int recipeId) | Request to return the recipe step detail of the recipe ID in JsonArray format |
| String | searchRecipeById(int recipeId) | Request to return the recipe record of the recipe ID in JsonArray format |
| String | searchRecipeByCategory(int categoryId) | Request to return the recipe record of the Category ID in JsonArray format |
| String | searchRecipeByRate(int rate) | Request to return the recipe record of the rate(the recipe in the same rate) in JsonArray format |
| String | searchRecipeByState(int state) | Request to return the recipe record of the state(the recipe in the same state) in JsonArray format |
| String | searchRecipeByKeyWord(String keyword) | Request to search the recipe record of the keyword(within recipetitle or description or categorytitle) in JsonArray format |
| String | CreateRecipe(String recipeString) | Request to create a new recipe into database  And return string includes new recipe’s id in the recipe table. |
| String | insertIngredients(String ingStr) | Request to store some ingredients for the new recipe. |
| String | insertRecipeSteps(String stepString) | Request to store the steps for the new recipe. |
| **Method Detail:** | | |
| getAllRecipes | | |
| **Parameters:**  None  **Returns:**  Return a Json format string.  Example:  [{"Description":"4","RecipeId":"1","AccountId":"1","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","Photo":"0","Rate":"1"},{"Description":"2","RecipeId":"2","AccountId":"1","RecipeTitle":"Macaroni nooldes covered in cheddar cheese","RecipeState":"0","Photo":"0","Rate":"1"},{"Description":"5","RecipeId":"3","AccountId":"1","RecipeTitle":"Uncle Sams bbq smoked ribs covered in special","RecipeState":"0","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"4","AccountId":"1","RecipeTitle":"Salad Dressing","RecipeState":"0","Photo":"1","Rate":"1"},{"Description":"2","RecipeId":"5","AccountId":"2","RecipeTitle":"Chicken, Shrimp or Beef Pad Thai","RecipeState":"0","Photo":"1","Rate":"1"},{"Description":"4","RecipeId":"6","AccountId":"1","RecipeTitle":"Pan fried asparagus in butter with lemon and ","RecipeState":"0","Photo":"1","Rate":"1"},{"Description":"1","RecipeId":"7","AccountId":"1","RecipeTitle":"Simple meatball recipe","RecipeState":"0","Photo":"1","Rate":"1"},{"Description":"5","RecipeId":"8","AccountId":"1","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"9","AccountId":"1","RecipeTitle":"Scalloped Potatoes","RecipeState":"0","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"10","AccountId":"2","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0","Photo":"2","Rate":"1"},{"Description":"4","RecipeId":"11","AccountId":"3","RecipeTitle":"Hot and savory","RecipeState":"0","Photo":"1","Rate":"0"},{"Description":"3","RecipeId":"12","AccountId":"2","RecipeTitle":"The recipes for oatmeal cookies.","RecipeState":"0","Photo":"2","Rate":"0"}] | | |
| getRecipeByAccount | | |
| **Parameters:**  Account Id  **Returns:**  Return a Json format string.  Example:  [{"Description":"3","RecipeId":"9","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Scalloped Potatoes","RecipeState":"0"},{"Description":"5","RecipeId":"8","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0"},{"Description":"1","RecipeId":"7","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Simple meatball recipe","RecipeState":"0"},{"Description":"4","RecipeId":"6","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Pan fried asparagus in butter with lemon and ","RecipeState":"0"},{"Description":"3","RecipeId":"4","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Salad Dressing","RecipeState":"0"},{"Description":"5","RecipeId":"3","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Uncle Sams bbq smoked ribs covered in special","RecipeState":"0"},{"Description":"2","RecipeId":"2","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Macaroni nooldes covered in cheddar cheese","RecipeState":"0"},{"Description":"4","RecipeId":"1","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0"}] | | |
| getRecipeByAccountWithAmount | | |
| **Parameters:**  Account Id, Amount(number of the record are request to send)  **Returns:**  Return a Json format string.  Example:  [{"Description":"3","RecipeId":"9","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Scalloped Potatoes","RecipeState":"0"},{"Description":"5","RecipeId":"8","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0"}] | | |
| getRecipesAsYouWant | | |
| **Parameters:**  Amount(number of the record are request to send)  **Returns:**  Return a Json format string.  Example:  [{"Description":"3","RecipeId":"12","rate":"0","AccountId":"2","NickName":"admin","RecipeTitle":"The recipes for oatmeal cookies.","RecipeState":"0"},{"Description":"4","RecipeId":"11","rate":"0","AccountId":"3","NickName":"Amy","RecipeTitle":"Hot and savory","RecipeState":"0"},{"Description":"3","RecipeId":"10","rate":"1","AccountId":"2","NickName":"admin","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0"},{"Description":"3","RecipeId":"9","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Scalloped Potatoes","RecipeState":"0"},{"Description":"5","RecipeId":"8","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0"},{"Description":"1","RecipeId":"7","rate":"1","AccountId":"1","NickName":"Steven","RecipeTitle":"Simple meatball recipe","RecipeState":"0"}] | | |
| getRecipeDetails | | |
| **Parameters:**  Recipe Id  **Returns:**  Return a Json format string.  Example:  [{"RecipeId":"11","stepTime":"5.00","StepDesc":"In a large skillet cook sweet pepper, onion, and serrano pepper in hot oil over medium-high heat for 3 to 5 minutes or until vegetables are just tender. Remove from heat.","RecipeStepId":"1"},{"RecipeId":"11","stepTime":"5.00","StepDesc":"Lightly coat one side of each tortilla with cooking spray. On the uncoated side of two of the tortillas, divide half of the cheese. Top with onion mixture, tomato slices, the 1 tablespoon cilantro, and the remaining cheese. Top with remaining tortillas, coated sides up.","RecipeStepId":"2"},{"RecipeId":"11","stepTime":"5.00","StepDesc":"Heat a very large skillet or griddle over medium heat. Cook quesadillas for 4 to 5 minutes per side or until cheese melts and tortillas are lightly browned. Cut each quesadilla into 4 wedges. Serve warm and, if desired, with sour cream, additional cilantro and lime wedges.","RecipeStepId":"3"}] | | |
| searchRecipeById | | |
| **Parameters:**  Recipe Id  **Returns:**  Return a Json format string.  Example:  [{"Description":"4","RecipeId":"1","CategoryId":"10","AccountId":"1","RecipeCategoryId":"0","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Salad","Photo":"0","Rate":"1"},{"Description":"4","RecipeId":"1","CategoryId":"3","AccountId":"1","RecipeCategoryId":"3","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Meat","Photo":"0","Rate":"1"}] | | |
| searchRecipeByCategory | | |
| **Parameters:**  Category Id  **Returns:**  Return a Json format string.  Example:  [{"Description":"4","RecipeId":"1","CategoryId":"10","AccountId":"1","RecipeCategoryId":"0","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Salad","Photo":"0","Rate":"1"},{"Description":"3","RecipeId":"4","CategoryId":"10","AccountId":"1","RecipeCategoryId":"5","RecipeTitle":"Salad Dressing","RecipeState":"0","CategoryTitle":"Salad","Photo":"1","Rate":"1"}] | | |
| searchRecipeByRate | | |
| **Parameters:**  Rate(0-5)  **Returns:**  Return a Json format string.  Example:  [{"Description":"4","RecipeId":"1","CategoryId":"10","AccountId":"1","RecipeCategoryId":"0","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Salad","Photo":"0","Rate":"1"},{"Description":"4","RecipeId":"1","CategoryId":"3","AccountId":"1","RecipeCategoryId":"3","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Meat","Photo":"0","Rate":"1"},{"Description":"2","RecipeId":"2","CategoryId":"5","AccountId":"1","RecipeCategoryId":"2","RecipeTitle":"Macaroni nooldes covered in cheddar cheese","RecipeState":"0","CategoryTitle":"Noodles","Photo":"0","Rate":"1"},{"Description":"5","RecipeId":"3","CategoryId":"3","AccountId":"1","RecipeCategoryId":"4","RecipeTitle":"Uncle Sams bbq smoked ribs covered in special","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"4","CategoryId":"10","AccountId":"1","RecipeCategoryId":"5","RecipeTitle":"Salad Dressing","RecipeState":"0","CategoryTitle":"Salad","Photo":"1","Rate":"1"},{"Description":"2","RecipeId":"5","CategoryId":"3","AccountId":"2","RecipeCategoryId":"6","RecipeTitle":"Chicken, Shrimp or Beef Pad Thai","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"4","RecipeId":"6","CategoryId":"3","AccountId":"1","RecipeCategoryId":"7","RecipeTitle":"Pan fried asparagus in butter with lemon and ","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"1","RecipeId":"7","CategoryId":"3","AccountId":"1","RecipeCategoryId":"8","RecipeTitle":"Simple meatball recipe","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"5","RecipeId":"8","CategoryId":"3","AccountId":"1","RecipeCategoryId":"9","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"5","RecipeId":"8","CategoryId":"6","AccountId":"1","RecipeCategoryId":"10","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0","CategoryTitle":"Fried","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"9","CategoryId":"4","AccountId":"1","RecipeCategoryId":"11","RecipeTitle":"Scalloped Potatoes","RecipeState":"0","CategoryTitle":"Veggie","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"10","CategoryId":"3","AccountId":"2","RecipeCategoryId":"12","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0","CategoryTitle":"Meat","Photo":"2","Rate":"1"},{"Description":"3","RecipeId":"10","CategoryId":"11","AccountId":"2","RecipeCategoryId":"13","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0","CategoryTitle":"Asian","Photo":"2","Rate":"1"}] | | |
| searchRecipeByState | | |
| **Parameters:**  State(0 or 1)  **Returns:**  Return a Json format string.  Example:  [{"Description":"4","RecipeId":"1","CategoryId":"10","AccountId":"1","RecipeCategoryId":"0","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Salad","Photo":"0","Rate":"1"},{"Description":"4","RecipeId":"1","CategoryId":"3","AccountId":"1","RecipeCategoryId":"3","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Meat","Photo":"0","Rate":"1"},{"Description":"2","RecipeId":"2","CategoryId":"5","AccountId":"1","RecipeCategoryId":"2","RecipeTitle":"Macaroni nooldes covered in cheddar cheese","RecipeState":"0","CategoryTitle":"Noodles","Photo":"0","Rate":"1"},{"Description":"5","RecipeId":"3","CategoryId":"3","AccountId":"1","RecipeCategoryId":"4","RecipeTitle":"Uncle Sams bbq smoked ribs covered in special","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"4","CategoryId":"10","AccountId":"1","RecipeCategoryId":"5","RecipeTitle":"Salad Dressing","RecipeState":"0","CategoryTitle":"Salad","Photo":"1","Rate":"1"},{"Description":"2","RecipeId":"5","CategoryId":"3","AccountId":"2","RecipeCategoryId":"6","RecipeTitle":"Chicken, Shrimp or Beef Pad Thai","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"4","RecipeId":"6","CategoryId":"3","AccountId":"1","RecipeCategoryId":"7","RecipeTitle":"Pan fried asparagus in butter with lemon and ","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"1","RecipeId":"7","CategoryId":"3","AccountId":"1","RecipeCategoryId":"8","RecipeTitle":"Simple meatball recipe","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"5","RecipeId":"8","CategoryId":"3","AccountId":"1","RecipeCategoryId":"9","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"5","RecipeId":"8","CategoryId":"6","AccountId":"1","RecipeCategoryId":"10","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0","CategoryTitle":"Fried","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"9","CategoryId":"4","AccountId":"1","RecipeCategoryId":"11","RecipeTitle":"Scalloped Potatoes","RecipeState":"0","CategoryTitle":"Veggie","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"10","CategoryId":"3","AccountId":"2","RecipeCategoryId":"12","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0","CategoryTitle":"Meat","Photo":"2","Rate":"1"},{"Description":"3","RecipeId":"10","CategoryId":"11","AccountId":"2","RecipeCategoryId":"13","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0","CategoryTitle":"Asian","Photo":"2","Rate":"1"},{"Description":"4","RecipeId":"11","CategoryId":"12","AccountId":"3","RecipeCategoryId":"14","RecipeTitle":"Hot and savory","RecipeState":"0","CategoryTitle":"Low Calorie","Photo":"1","Rate":"0"},{"Description":"3","RecipeId":"12","CategoryId":"12","AccountId":"2","RecipeCategoryId":"15","RecipeTitle":"The recipes for oatmeal cookies.","RecipeState":"0","CategoryTitle":"Low Calorie","Photo":"2","Rate":"0"}] | | |
| searchRecipeByKeyWord | | |
| **Parameters:**  Keyword  **Returns:**  Return a Json format string.  Example:  [{"Description":"4","RecipeId":"1","CategoryId":"10","AccountId":"1","RecipeCategoryId":"0","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Salad","Photo":"0","Rate":"1"},{"Description":"4","RecipeId":"1","CategoryId":"3","AccountId":"1","RecipeCategoryId":"3","RecipeTitle":"Fresh salad with grilled chicken","RecipeState":"0","CategoryTitle":"Meat","Photo":"0","Rate":"1"},{"Description":"2","RecipeId":"2","CategoryId":"5","AccountId":"1","RecipeCategoryId":"2","RecipeTitle":"Macaroni nooldes covered in cheddar cheese","RecipeState":"0","CategoryTitle":"Noodles","Photo":"0","Rate":"1"},{"Description":"5","RecipeId":"3","CategoryId":"3","AccountId":"1","RecipeCategoryId":"4","RecipeTitle":"Uncle Sams bbq smoked ribs covered in special","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"4","CategoryId":"10","AccountId":"1","RecipeCategoryId":"5","RecipeTitle":"Salad Dressing","RecipeState":"0","CategoryTitle":"Salad","Photo":"1","Rate":"1"},{"Description":"2","RecipeId":"5","CategoryId":"3","AccountId":"2","RecipeCategoryId":"6","RecipeTitle":"Chicken, Shrimp or Beef Pad Thai","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"4","RecipeId":"6","CategoryId":"3","AccountId":"1","RecipeCategoryId":"7","RecipeTitle":"Pan fried asparagus in butter with lemon and ","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"1","RecipeId":"7","CategoryId":"3","AccountId":"1","RecipeCategoryId":"8","RecipeTitle":"Simple meatball recipe","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"5","RecipeId":"8","CategoryId":"3","AccountId":"1","RecipeCategoryId":"9","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0","CategoryTitle":"Meat","Photo":"1","Rate":"1"},{"Description":"5","RecipeId":"8","CategoryId":"6","AccountId":"1","RecipeCategoryId":"10","RecipeTitle":"Aunt Marys famous beer batter fish and sea sa","RecipeState":"0","CategoryTitle":"Fried","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"9","CategoryId":"4","AccountId":"1","RecipeCategoryId":"11","RecipeTitle":"Scalloped Potatoes","RecipeState":"0","CategoryTitle":"Veggie","Photo":"1","Rate":"1"},{"Description":"3","RecipeId":"10","CategoryId":"3","AccountId":"2","RecipeCategoryId":"12","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0","CategoryTitle":"Meat","Photo":"2","Rate":"1"},{"Description":"3","RecipeId":"10","CategoryId":"11","AccountId":"2","RecipeCategoryId":"13","RecipeTitle":"Leg of lamb roasted with organic herbs and ga","RecipeState":"0","CategoryTitle":"Asian","Photo":"2","Rate":"1"},{"Description":"4","RecipeId":"11","CategoryId":"12","AccountId":"3","RecipeCategoryId":"14","RecipeTitle":"Hot and savory","RecipeState":"0","CategoryTitle":"Low Calorie","Photo":"1","Rate":"0"},{"Description":"3","RecipeId":"12","CategoryId":"12","AccountId":"2","RecipeCategoryId":"15","RecipeTitle":"The recipes for oatmeal cookies.","RecipeState":"0","CategoryTitle":"Low Calorie","Photo":"2","Rate":"0"}] | | |
| CreateRecipe | | |
| **Parameters:**  A json object format string which includes new recipe information. Like fields in the recipe table.  Such as:  {"Description":"4","RecipeId":"1","AccountId":"1","RecipeTitle":"Fresh salad with grilled chicken,"Photo":"0"}  In this example, photo field should be in byte[] format. If you have any question in how to convert a photo to the byte[], you can find solution in com.rb.util.ImageOperation.java class.  Also, when you want to use this method for insert please make sure that use the field name in the database table as a key word.  **Returns:**  Return a Json format string includes a recipeId for this new recipe.  Example:  {"RecipeId":"4"} | | |
| insertIngredients | | |
| **Parameters:**  A json arraylist format string which includes ingredients information for one recipe.  Such as:  [{"ingredientName":"test","RecipeId":"1","ingredientMeasure":"teaspoon"," ingredientQuanlity":"10"},{…}]  **Returns:**  {"result":"1"}  1 means insert success.  0 means failed. | | |
| insertRecipeSteps | | |
| **Parameters:**  A json arraylist format string which includes steps information for one recipe.  Such as:  [{" StepDesc":"test","StepPhoto":"…","RecipeId":"1","stepTime":"10"},{…}]  In this example, StepPhoto field should be in byte[] format.  **Returns:**  {"result":"1"}  1 means insert success.  0 means failed. | | |
| getRecipeIngredient | | |
| **Parameters:**  recipeId  **Returns:**  Return a Json format string.  Example:  [{"IngredientId":"1","RecipeId":"11","IngredientQuanlity":"0.50","RecipeTitle":"fajita-style quesadillas","IngredientName":"green sweet pepper"},{"IngredientId":"2","RecipeId":"11","IngredientQuanlity":"0.50","RecipeTitle":"fajita-style quesadillas","IngredientName":"onion"},{"IngredientId":"3","RecipeId":"11","IngredientQuanlity":"0.50","RecipeTitle":"fajita-style quesadillas","IngredientName":"serrano pepper"},{"IngredientId":"4","RecipeId":"11","ingredientMeasure":"teaspoon","IngredientQuanlity":"2.00","RecipeTitle":"fajita-style quesadillas","IngredientName":"vegetable oil"},{"IngredientId":"5","RecipeId":"11","IngredientQuanlity":"4.00","RecipeTitle":"fajita-style quesadillas","IngredientName":"6-inch white corn tortillas"},{"IngredientId":"6","RecipeId":"11","IngredientQuanlity":"1.00","RecipeTitle":"fajita-style quesadillas","IngredientName":"Nonstick cooking spary"},{"IngredientId":"7","RecipeId":"11","ingredientMeasure":"cup","IngredientQuanlity":"0.50","RecipeTitle":"fajita-style quesadillas","IngredientName":"shredded?Monterey Jack cheese?(2 ounces)"},{"IngredientId":"8","RecipeId":"11","ingredientMeasure":"thin slices","IngredientQuanlity":"2.00","RecipeTitle":"fajita-style quesadillas","IngredientName":"tomato, halved crosswise"},{"IngredientId":"9","RecipeId":"11","ingredientMeasure":"teaspoon","IngredientQuanlity":"1.00","RecipeTitle":"fajita-style quesadillas","IngredientName":"snipped fresh cilantro"}] | | |