```
UserAuthentication.login { username: 'Victor Rosales', password: '987654321' } => {
 user: '019a0979-53f6-7ed1-af02-1403d5fb9c19',
 sessionId: '019a519e-6887-7a54-a67e-69a9161a0fb1'
}
[Requesting] Received request for path: /Recipe/addRecipe
Requesting.request {
 author: 'Victor Rosales',
 name: 'Fish and Chips',
 originalServings: 4,
 ingredients: [
   { name: 'Raw Tilapia', quantity: 3, unit: 'lbs', preparation: '' },
   { name: 'Potatoes', quantity: 1, unit: 'lbs', preparation: '' }
 ],
 cookingMethods: [ 'frying', 'steaming' ],
 sessionId: '019a519e-6887-7a54-a67e-69a9161a0fb1',
 path: '/Recipe/addRecipe'
} => { request: '019a519f-6597-7488-8a6e-13602a2916c0' }
Recipe.addRecipe {
 author: '019a0979-53f6-7ed1-af02-1403d5fb9c19',
 name: 'Fish and Chips',
 originalServings: 4,
 ingredients: [
   { name: 'Raw Tilapia', quantity: 3, unit: 'lbs', preparation: '' },
   { name: 'Potatoes', quantity: 1, unit: 'lbs', preparation: '' }
 ],
 cookingMethods: [ 'frying', 'steaming' ]
} => { recipe: '019a519f-6660-7bd2-afab-a2891d9bc98f' }
Requesting.respond {
 request: '019a519f-6597-7488-8a6e-13602a2916c0',
 recipe: '019a519f-6660-7bd2-afab-a2891d9bc98f'
} => { request: '019a519f-6597-7488-8a6e-13602a2916c0' }
[Requesting] Received request for path: /RecipeScaler/scaleRecipeAI
Requesting.request {
 baseRecipeId: '019a2c4a-83d0-7f47-951e-b2718fbfe9b0',
 targetServings: 4,
 sessionId: '019a519e-6887-7a54-a67e-69a9161a0fb1',
 path: '/RecipeScaler/scaleRecipeAI'
} => { request: '019a519f-cc2c-7c94-a2c2-cf3a4bb98351' }
Fetching recipe with ID: 019a2c4a-83d0-7f47-951e-b2718fbfe9b0
🤖 Requesting scaled recipe from AI...
✅ Received response from AI!
🤖 RAW AI RESPONSE
=====================
```json
{
 "name": "Sourdough Bread",
 "ingredients": [
```

```json
    {
      "name": "Flour",
      "quantity": 2000,
      "unit": "g",
      "scalingContext": ""
    },
    {
      "name": "Water",
      "quantity": 1400,
      "unit": "g",
      "scalingContext": ""
    },
    {
      "name": "Salt",
      "quantity": 30,
      "unit": "g",
      "scalingContext": "Scaled slightly downward for larger batches to avoid
over-salting"
    },
    {
      "name": "Sourdough Starter",
      "quantity": 400,
      "unit": "g",
      "scalingContext": ""
    },
    {
      "name": "Yeast",
      "quantity": 4,
      "unit": "g",
      "scalingContext": "Scales much slower than linearly as too much yeast can cause
over-proofing"
    }
  ]
}
```

```
=====================
RecipeScaler.scaleRecipeAI {
 baseRecipeId: '019a2c4a-83d0-7f47-951e-b2718fbfe9b0',
 targetServings: 4
} => { scaledRecipeId: '019a519f-d443-7d94-a293-84691df8b3dd' }
Requesting.respond {
 request: '019a519f-cc2c-7c94-a2c2-cf3a4bb98351',
 scaledRecipeId: '019a519f-d443-7d94-a293-84691df8b3dd'
} => { request: '019a519f-cc2c-7c94-a2c2-cf3a4bb98351' }
Fetching scaled recipe with ID: 019a519f-d443-7d94-a293-84691df8b3dd
Fetching recipe with ID: 019a2c4a-83d0-7f47-951e-b2718fbfe9b0
💡 Requesting scaling tips from AI...
```

```
✅ Received response from AI for tips!
💡 RAW AI TIPS RESPONSE
=====================
```json
{
 "tips": [
   "Multiply all ingredients by four for a straightforward scaling.",
   "Slightly reduce the yeast proportionally to compensate for a potentially faster
rise time with the larger dough mass.",
   "Ensure your mixing equipment can handle the increased dough volume to avoid
overworking.",
   "Proofing may take longer; monitor the dough's rise rather than relying solely on
the original recipe's timing.",
   "Baking time may need to be adjusted slightly longer to ensure the larger loaf is
fully cooked through."
 ]
}
```

=====================
ScalingTips.requestTipGeneration {
 recipeContext: {
   recipeId: '019a2c4a-83d0-7f47-951e-b2718fbfe9b0',
   name: 'Sourdough Bread',
   originalServings: 1,
   targetServings: 4,
   ingredients: [[Object], [Object], [Object], [Object], [Object]],
   cookingMethods: ['baking']
 }
} => {
 tipIds: [
   '019a519f-db11-72ad-aee5-325b091ff140',
   '019a519f-db56-76dd-8712-faf4ee0960c9',
   '019a519f-dba3-7919-96c4-2131101acf4f',
   '019a519f-dbe7-7506-8335-6b41b610d090',
   '019a519f-dc2b-7cf5-a9b3-1bb3d3277fac'
 ]
}
Fetching scaled recipe with ID: 019a519f-d443-7d94-a293-84691df8b3dd
UserAuthentication.logout { sessionId: '019a519e-6887-7a54-a67e-69a9161a0fb1' } => {}
```