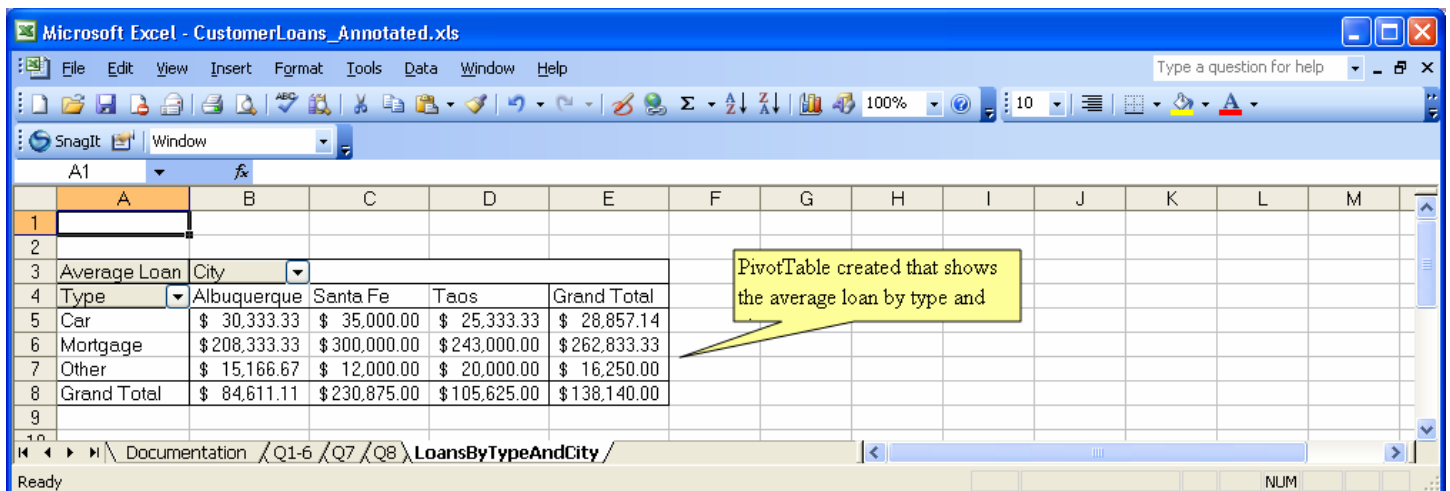
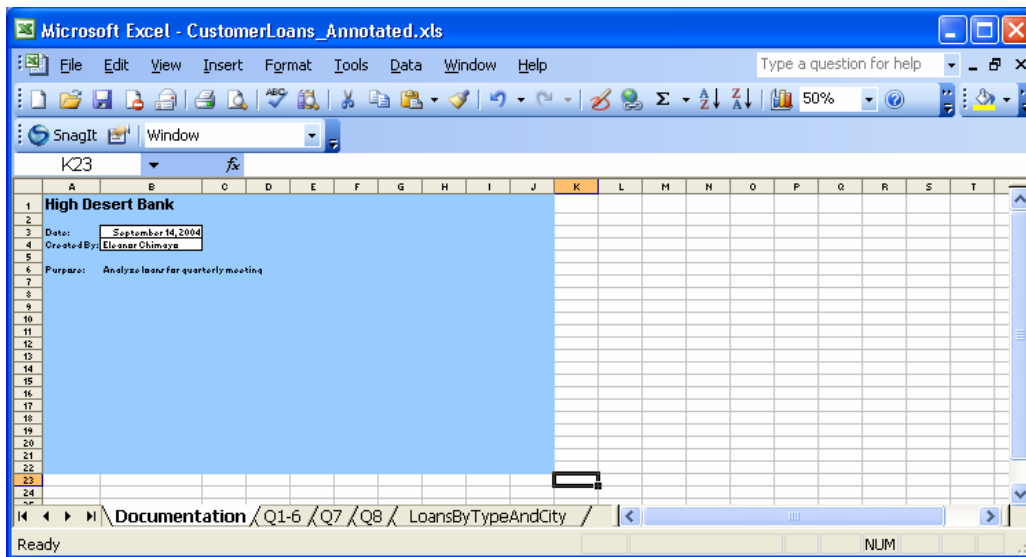


## Grading Rubric – Excel 2003 Tutorial 5, Case Problem 1

**Solution File(s):**     *CustomerLoans.xls*

| Description  | Pts       | Your Score |
|--|-----------|------------|
| Values in Amount and Interest Rate columns formatted with dollar signs and percents  | 2         |            |
| Formula using the PMT function entered in Monthly Payment column to calculate the monthly payments for each load, displayed in a positive amount | 5         |            |
| Column headings formatted and frozen   | 2         |            |
| Conditional formatting applied to highlight loans above \$200,000  | 3         |            |
| Data sorted by city, within city by type of loan, with type of loan by amount of loan (largest loan first)                                       | 2         |            |
| Subtotals for loans generated by city inserted   | 4         |            |
| List filtered to display loans made during March 2007  | 3         |            |
| PivotTable created that shows the average loan by type and city  | 4         |            |
|  |           |            |
| <b>TOTAL POSSIBLE POINTS:</b>  | <b>25</b> |            |

**YOUR SCORE:**     \_\_\_/ 25= \_\_\_\_\_



| 1  | A      | B          | C         | D           | E         | F           | G             | H    | I               | J        | K |
|----|--------|------------|-----------|-------------|-----------|-------------|---------------|------|-----------------|----------|---|
| 1  | LoanID | First Name | Last Name | City        | Loan Date | Amount      | Interest Rate | Term | Monthly Payment | Type     |   |
| 2  | 1022   | Eileen     | Cooper    | Santa Fe    | 2/28/2007 | \$ 200,000  | 7.00%         | 15   | \$1,797.66      | Mortgage |   |
| 3  | 1023   | Eileen     | Cooper    | Santa Fe    | 3/21/2007 | \$ 150,000  | 7.50%         | 15   | \$1,390.52      | Mortgage |   |
| 4  | 1024   | Eileen     | Cooper    | Santa Fe    | 3/22/2007 | \$ 100,000  | 7.00%         | 30   | \$665.30        | Mortgage |   |
| 5  | 1025   | Scott      | Hunter    | Taos        | 3/1/2007  | \$ 25,000   | 6.50%         | 3    | \$766.23        | Car      |   |
| 6  | 1026   | Scott      | Hunter    | Taos        | 4/1/2007  | \$ 10,000   | 7.70%         | 5    | \$201.33        | Car      |   |
| 7  | 1027   | Ellen      | Harper    | Albuquerque | 3/11/2007 | \$ 200,000  | 6.25%         | 15   | \$1,714.85      | Mortgage |   |
| 8  | 1028   | Ellen      | Harper    | Albuquerque | 3/31/2007 | \$ 15,000   | 6.50%         | 3    | \$459.74        | Other    |   |
| 9  | 1029   | Ellen      | Harper    | Albuquerque | 4/15/2007 | \$ 95,000   | 7.75%         | 4    | \$607.39        | Car      |   |
| 10 | 1030   | Ellen      | Harper    | Albuquerque | 5/1/2007  | \$ 1,245.62 |               |      |                 |          |   |
| 11 | 1031   | Max        | Entermann | Santa Fe    | 1/15/2007 | \$ 475,000  | 5.75%         | 15   | \$3,944.45      | Mortgage |   |
| 12 | 1032   | Max        | Entermann | Santa Fe    | 1/23/2007 | \$ 35,000   | 6.75%         | 5    | \$688.92        | Car      |   |
| 13 | 1033   | Max        | Entermann | Santa Fe    | 1/31/2007 | \$ 12,000   | 8.25%         | 10   | \$147.18        | Other    |   |
| 14 | 1034   | Max        | Entermann | Santa Fe    | 5/3/2007  | \$ 350,000  | 8.00%         |      |                 |          |   |
| 15 | 1035   | Helen      | Rayus     | Albuquerque | 1/25/2007 | \$ 10,000   | 5.50%         |      |                 |          |   |
| 16 | 1036   | Helen      | Rayus     | Albuquerque | 3/1/2007  | \$ 20,000   | 7.50%         |      |                 |          |   |
| 17 | 1037   | Ted        | Myerson   | Santa Fe    | 2/8/2007  | \$ 525,000  | 6.50%         | 30   | \$3,318.36      | Mortgage |   |
| 18 | 1038   | Peter      | Sanger    | Albuquerque | 2/12/2007 | \$ 10,500   | 6.88%         | 5    | \$207.29        | Other    |   |
| 19 | 1039   | Peter      | Sanger    | Albuquerque | 5/8/2007  | \$ 275,000  | 6.00%         |      |                 |          |   |
| 20 | 1040   | Rose       | Budnick   | Taos        | 2/20/2007 | \$ 250,000  | 5.75%         | 30   | \$1,458.93      | Mortgage |   |
| 21 | 1041   | Rose       | Budnick   | Taos        | 2/21/2007 | \$ 5,000    | 8.75%         | 3    | \$158.42        | Other    |   |
| 22 | 1042   | Rose       | Budnick   | Taos        | 4/18/2007 | \$ 41,000   | 7.50%         | 4    | \$991.33        | Car      |   |
| 23 | 1043   | Austin     | Powers    | Albuquerque | 3/3/2007  | \$ 56,000   | 7.25%         | 5    | \$1,115.48      | Car      |   |
| 24 | 1044   | Barbara    | Ringer    | Taos        | 2/15/2007 | \$ 35,000   | 6.00%         | 5    | \$676.65        | Other    |   |
| 25 | 1045   | Barbara    | Ringer    | Taos        | 3/10/2007 | \$ 129,000  | 5.75%         | 15   | \$1,071.23      | Mortgage |   |
| 26 | 1046   | Barbara    | Ringer    | Taos        | 4/22/2007 | \$ 350,000  | 6.50%         | 15   | \$3,048.88      | Mortgage |   |

Column headings formatted and frozen

Values in Amount and Interest Rate columns formatted with dollar

Conditional formatting applied to highlight loans above \$200,000

Formula using the PMT function entered in Monthly Payment column to calculate the monthly payments for each load, displayed in a positive

| 1  | A      | B          | C         | D                        | E         | F                   | G             | H    | I               | J        | K |
|----|--------|------------|-----------|--------------------------|-----------|---------------------|---------------|------|-----------------|----------|---|
| 1  | LoanID | First Name | Last Name | City                     | Loan Date | Amount              | Interest Rate | Term | Monthly Payment | Type     |   |
| 2  | 1043   | Austin     | Powers    | Albuquerque              | 3/3/2007  | \$ 56,000           | 7.25%         | 5    | \$1,115.48      | Car      |   |
| 3  | 1029   | Ellen      | Harper    | Albuquerque              | 4/15/2007 | \$ 95,000           | 7.75%         | 4    | \$607.39        | Car      |   |
| 4  | 1035   | Helen      | Rayus     | Albuquerque              | 1/25/2007 | \$ 10,000           | 5.50%         | 3    | \$301.96        | Car      |   |
| 5  | 1039   | Peter      | Sanger    | Albuquerque              | 5/8/2007  | \$ 275,000          | 6.00%         |      | \$2,320.61      | Mortgage |   |
| 6  | 1027   | Ellen      | Harper    | Albuquerque              | 3/11/2007 | \$ 200,000          | 6.25%         | 15   | \$1,714.85      | Mortgage |   |
| 7  | 1030   | Ellen      | Harper    | Albuquerque              | 5/1/2007  | \$ 1,245.62         |               |      | \$1,245.62      | Mortgage |   |
| 8  | 1036   | Helen      | Rayus     | Albuquerque              | 3/1/2007  | \$ 20,000           | 7.50%         | 5    | \$400.76        | Other    |   |
| 9  | 1028   | Ellen      | Harper    | Albuquerque              | 3/31/2007 | \$ 15,000           | 6.50%         | 3    | \$459.74        | Other    |   |
| 10 | 1038   | Peter      | Sanger    | Albuquerque              | 2/12/2007 | \$ 10,500           | 6.88%         | 5    | \$207.29        | Other    |   |
| 11 |        |            |           | <b>Albuquerque Total</b> |           | <b>\$ 761,500</b>   |               |      |                 |          |   |
| 12 | 1032   | Max        | Entermann | Santa Fe                 | 1/23/2007 | \$ 35,000           | 6.75%         | 5    | \$688.92        | Car      |   |
| 13 | 1037   | Ted        | Myerson   | Santa Fe                 | 2/8/2007  | \$ 525,000          | 6.50%         | 30   | \$3,318.36      | Mortgage |   |
| 14 | 1031   | Max        | Entermann | Santa Fe                 | 1/15/2007 | \$ 475,000          | 5.75%         | 15   | \$3,944.45      | Mortgage |   |
| 15 | 1034   | Max        | Entermann | Santa Fe                 | 5/3/2007  | \$ 350,000          |               |      | \$2,568.18      | Mortgage |   |
| 16 | 1022   | Eileen     | Cooper    | Santa Fe                 | 2/28/2007 | \$ 200,000          | 7.00%         |      | \$1,797.66      | Mortgage |   |
| 17 | 1023   | Eileen     | Cooper    | Santa Fe                 | 3/21/2007 | \$ 150,000          | 7.50%         |      | \$1,390.52      | Mortgage |   |
| 18 | 1024   | Eileen     | Cooper    | Santa Fe                 | 3/22/2007 | \$ 100,000          | 7.00%         | 30   | \$665.30        | Mortgage |   |
| 19 | 1033   | Max        | Entermann | Santa Fe                 | 1/31/2007 | \$ 12,000           | 8.25%         | 10   | \$147.18        | Other    |   |
| 20 |        |            |           | <b>Santa Fe Total</b>    |           | <b>\$ 1,847,000</b> |               |      |                 |          |   |
| 21 | 1042   | Rose       | Budnick   | Taos                     | 4/18/2007 | \$ 41,000           | 7.50%         | 4    | \$991.33        | Car      |   |
| 22 | 1025   | Scott      | Hunter    | Taos                     | 3/1/2007  | \$ 25,000           | 6.50%         | 3    | \$766.23        | Car      |   |
| 23 | 1026   | Scott      | Hunter    | Taos                     | 4/1/2007  | \$ 10,000           | 7.70%         | 5    | \$201.33        | Car      |   |
| 24 | 1046   | Barbara    | Ringer    | Taos                     | 4/22/2007 | \$ 350,000          | 6.50%         | 15   | \$3,048.88      | Mortgage |   |
| 25 | 1040   | Rose       | Budnick   | Taos                     | 2/20/2007 | \$ 250,000          | 5.75%         | 30   | \$1,458.93      | Mortgage |   |
| 26 | 1045   | Barbara    | Ringer    | Taos                     | 3/10/2007 | \$ 129,000          | 5.75%         | 15   | \$1,071.23      | Mortgage |   |
| 27 | 1044   | Barbara    | Ringer    | Taos                     | 2/15/2007 | \$ 35,000           | 6.00%         | 5    | \$676.65        | Other    |   |
| 28 | 1041   | Rose       | Budnick   | Taos                     | 2/21/2007 | \$ 5,000            | 8.75%         | 3    | \$158.42        | Other    |   |
| 29 |        |            |           | <b>Taos Total</b>        |           | <b>\$ 845,000</b>   |               |      |                 |          |   |
| 30 |        |            |           | <b>Grand Total</b>       |           | <b>\$ 3,453,500</b> |               |      |                 |          |   |

Data sorted by city, within city by type of loan, with type of loan by amount of loan (largest loan first)

Subtotals for loans generated by city inserted

| 1  | A            | B          | C         | D           | E         | F                 | G             | H    | I               | J        | K |
|----|--------------|------------|-----------|-------------|-----------|-------------------|---------------|------|-----------------|----------|---|
| 1  | LoanID       | First Name | Last Name | City        | Loan Date | Amount            | Interest Rate | Term | Monthly Payment | Type     |   |
| 3  | 1023         | Eileen     | Cooper    | Santa Fe    | 3/21/2007 | \$ 150,000        | 7.50%         | 15   | \$1,390.52      | Mortgage |   |
| 4  | 1024         | Eileen     | Cooper    | Santa Fe    | 3/22/2007 | \$ 100,000        | 7.00%         | 30   | \$665.30        | Mortgage |   |
| 5  | 1025         | Scott      | Hunter    | Taos        | 3/1/2007  | \$ 25,000         | 6.50%         | 3    | \$766.23        | Car      |   |
| 7  | 1027         | Ellen      | Harper    | Albuquerque | 3/11/2007 | \$ 200,000        | 6.25%         | 15   | \$1,714.85      | Mortgage |   |
| 8  | 1028         | Ellen      | Harper    | Albuquerque | 3/31/2007 | \$ 15,000         | 6.50%         | 3    | \$459.74        | Other    |   |
| 16 | 1036         | Helen      | Rayus     | Albuquerque | 3/1/2007  | \$ 20,000         | 7.50%         | 5    | \$400.76        | Other    |   |
| 23 | 1043         | Austin     | Powers    | Albuquerque | 3/3/2007  | \$ 56,000         | 7.25%         | 5    | \$1,115.48      | Car      |   |
| 25 | 1045         | Barbara    | Ringer    | Taos        | 3/10/2007 | \$ 129,000        | 5.75%         | 15   | \$1,071.23      | Mortgage |   |
| 27 | <b>Total</b> |            |           |             |           | <b>\$ 695,000</b> |               |      |                 |          |   |

List filtered to display loans made during March 2007