

| UC Name | Documentation | Development | Testing | Design | Deployment | Research | Total w/o wait | Total | Estimate | FP | Explanation |
|-------------------------------|---------------|-------------|---------|--------|------------|----------|----------------|----------|----------|----|--------------------------------|
| Register | 00:00 | 20:30 | 00:00 | 00:00 | 00:00 | 00:00 | 20:30 | 20:30:00 | 11:58:59 | 54 | Outlier because first use case |
| Login | 02:00 | 06:00 | 00:00 | 00:00 | 00:15 | 00:00 | 08:15 | 08:15:00 | 05:59:30 | 27 | |
| Register/Login Google | 01:10 | 21:10 | 00:00 | 00:00 | 00:00 | 00:00 | 22:20 | 22:20:00 | 11:32:21 | 52 | Outlier because lot of trying |
| Edit Profile | 00:50 | 01:45 | 01:30 | 00:00 | 00:00 | 00:00 | 04:05 | 04:05:00 | 06:12:48 | 28 | |
| Change Password | 00:50 | 01:45 | 01:30 | 00:00 | 00:00 | 00:00 | 04:05 | 04:05:00 | 04:12:59 | 19 | |
| Delete User | 00:00 | 04:50 | 00:00 | 00:00 | 00:00 | 00:00 | 04:50 | 04:50:00 | 04:12:59 | 19 | |
| Search User | 00:50 | 06:00 | 02:00 | 00:00 | 00:00 | 00:00 | 08:50 | 08:50:00 | 09:32:31 | 43 | |
| Add Friend | 00:50 | 02:35 | 01:00 | 00:00 | 00:00 | 00:00 | 04:25 | 04:25:00 | 05:06:14 | 23 | |
| List Received Friend Requests | 00:55 | 00:55 | 00:00 | 00:00 | 00:00 | 00:00 | 01:50 | 01:50:00 | 05:19:33 | 24 | |
| List Sent Friend Requests | 00:55 | 00:55 | 00:00 | 00:00 | 00:00 | 00:00 | 01:50 | 01:50:00 | 04:26:17 | 20 | |
| Accept Friend Request | 00:20 | 00:50 | 00:35 | 00:00 | 00:00 | 00:00 | 01:45 | 01:45:00 | 07:59:19 | 36 | |
| Delete Friend | 00:50 | 01:40 | 00:30 | 00:00 | 00:00 | 00:00 | 03:00 | 03:00:00 | 05:46:11 | 26 | |
| Create New Request | 01:40 | 00:45 | 01:00 | 00:00 | 00:00 | 00:00 | 03:25 | 03:25:00 | 09:59:09 | 45 | |
| Create New Offer | 01:00 | 10:23 | 01:45 | 00:00 | 00:00 | 00:00 | 13:08 | 13:08:00 | 09:59:09 | 45 | |
| Search Offer and Requests | 00:40 | 01:50 | 00:00 | 00:00 | 00:00 | 00:00 | 02:30 | 02:30:00 | 07:32:42 | 34 | |
| List Requests | 00:40 | 01:30 | 00:00 | 00:00 | 00:00 | 00:00 | 02:10 | 02:10:00 | 04:39:36 | 21 | |
| List Offers | 00:50 | 01:59 | 00:00 | 00:00 | 00:00 | 00:00 | 02:49 | 02:49:00 | 04:39:36 | 21 | |
| Edit Status | 00:35 | 01:40 | 00:50 | 00:00 | 00:00 | 00:00 | 03:05 | 03:05:00 | 04:39:36 | 21 | |

| Login | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function point |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|----------------|
| Number of User Input (Ei) | 2 | 1 | 0 | 0 | 0 | 1 | 4 | 6 | 27 |
| Number of User Outputs (EO) | 2 | 1 | 0 | 0 | 0 | 1 | 16 | 8 | |
| Number of User Inquiries (EQ) | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 6 | |
| Number of Files (ILF) | 1 | 1 | 0 | 0 | 0 | 1 | 16 | 7 | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

| Register | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function point |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|----------------|
| Number of User Input (Ei) | 5 | 0 | 0 | 0 | 1 | 2 | 21 | 30 | 54 |
| Number of User Outputs (EO) | 1 | 1 | 0 | 0 | 0 | 1 | 16 | 4 | |
| Number of User Inquiries (EQ) | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 6 | |
| Number of Files (ILF) | 2 | 1 | 0 | 0 | 0 | 2 | 16 | 14 | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

| Register/Login_Google | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function point |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|----------------|
| Number of User Input (Ei) | 3 | 0 | 0 | 0 | 1 | 2 | 21 | 18 | 52 |
| Number of User Outputs (EO) | 1 | 1 | 0 | 0 | 0 | 1 | 16 | 4 | |
| Number of User Inquiries (EQ) | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 6 | |
| Number of Files (ILF) | 2 | 1 | 0 | 0 | 0 | 2 | 17 | 14 | |
| Number of External Interfaces (EIF) | 2 | 1 | 0 | 0 | 0 | 4 | 14 | 10 | |

| Edit Profile | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function point |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|----------------|
| Number of User Input (Ei) | 3 | 1 | 0 | 0 | 0 | 2 | 3 | 9 | 28 |
| Number of User Outputs (EO) | 1 | 1 | 0 | 0 | 0 | 1 | 16 | 4 | |
| Number of User Inquiries (EQ) | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | |
| Number of Files (ILF) | 1 | 1 | 0 | 0 | 0 | 1 | 16 | 7 | |
| Number of External Interfaces (EIF) | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | |

| Change Password | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 3 | 1 | 1 | 0 | 0 | 1 | 1 | 9 | 19 |
| Number of User Outputs (EO) | 1 | 1 | 1 | 0 | 0 | 1 | 16 | 4 | |
| Number of User Inquiries (EQ) | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 6 | |
| Number of Files (ILF) | 0 | 1 | 1 | 0 | 0 | 1 | 18 | 0 | |
| Number of External Interfaces (EIF) | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |

| Delete User | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 2 | 0 | 0 | 0 | 1 | 2 | 23 | 12 | 43 |
| Number of User Outputs (EO) | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 4 | |
| Number of User Inquiries (EQ) | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 6 | |
| Number of Files (ILF) | 3 | 1 | 1 | 0 | 0 | 1 | 16 | 21 | |
| Number of External Interfaces (EIF) | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |

| Search User | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 6 | 20 |
| Number of User Outputs (EO) | 1 | 1 | 1 | 0 | 0 | 1 | 8 | 4 | |
| Number of User Inquiries (EQ) | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | |
| Number of Files (ILF) | 1 | 1 | 1 | 0 | 0 | 2 | 8 | 7 | |
| Number of External Interfaces (EIF) | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |

| Add Friend | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 3 | 23 |
| Number of User Outputs (EO) | 1 | 0 | 0 | 0 | 1 | 2 | 32 | 7 | |
| Number of User Inquiries (EQ) | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | |
| Number of Files (ILF) | 1 | 0 | 1 | 1 | 0 | 3 | 32 | 10 | |
| Number of External Interfaces (EIF) | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |

| List Received Friend Requests | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 6 | 24 |
| Number of User Outputs (EO) | 1 | 1 | 1 | 0 | 0 | 1 | 5 | 4 | |
| Number of User Inquiries (EQ) | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | |
| Number of Files (ILF) | 2 | 1 | 1 | 0 | 0 | 2 | 5 | 14 | |
| Number of External Interfaces (EIF) | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |

| List Sent Friend Requests | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 20 |
| Number of User Outputs (EO) | 1 | 1 | 1 | 0 | 0 | 1 | 5 | 4 | |
| Number of User Inquiries (EQ) | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 6 | |
| Number of Files (ILF) | 1 | 1 | 1 | 0 | 0 | 2 | 5 | 7 | |
| Number of External Interfaces (EIF) | 0 | 0 | 1 | 1 | 0 | 5 | 30 | 0 | |

| Accept Friend Request | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-----------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 3 | 36 |
| Number of User Outputs (EO) | 1 | 0 | 0 | 0 | 1 | 2 | 32 | 7 | |

| | | | | | | | |
|-------------------------------------|---|---|---|---|---|----|----|
| Number of User Inquiries (EQ) | 2 | 1 | 0 | 0 | 1 | 1 | 6 |
| Number of Files (ILF) | 2 | 0 | 1 | 0 | 2 | 32 | 20 |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

| Delete Friend | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 3 | 26 |
| Number of User Outputs (EO) | 1 | 0 | 0 | 0 | 1 | 2 | 32 | 7 | |
| Number of User Inquiries (EQ) | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 6 | |
| Number of Files (ILF) | 1 | 0 | 1 | 0 | 2 | 32 | 10 | | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

| Create New Request | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 5 | 1 | 0 | 0 | 1 | 10 | 15 | | 45 |
| Number of User Outputs (EO) | 1 | 1 | 0 | 0 | 1 | 1 | 4 | | |
| Number of User Inquiries (EQ) | 2 | 1 | 0 | 0 | 1 | 1 | 6 | | |
| Number of Files (ILF) | 2 | 0 | 1 | 0 | 3 | 29 | 20 | | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

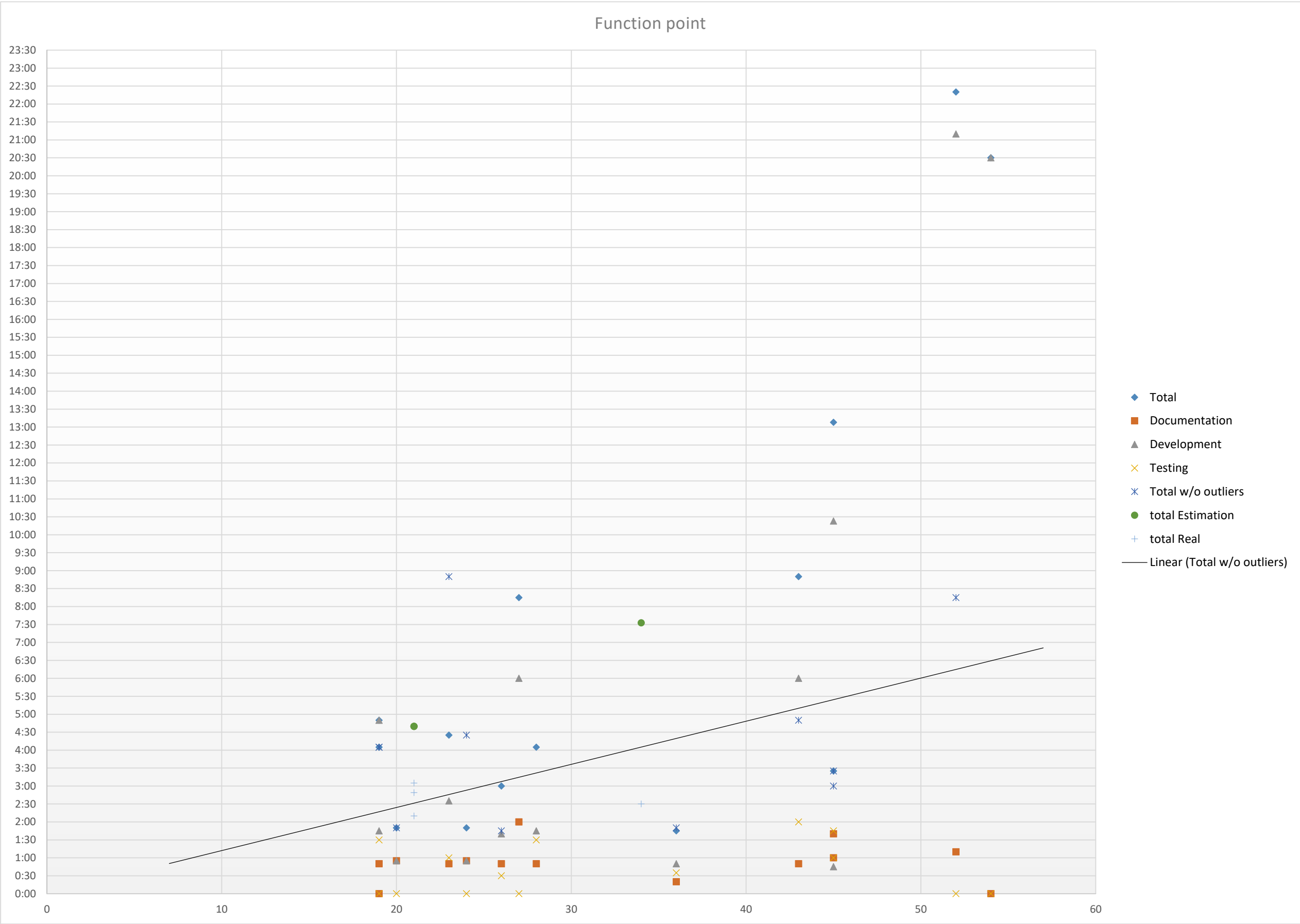
| Create New Offer | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 5 | 1 | 0 | 0 | 1 | 10 | 15 | | 45 |
| Number of User Outputs (EO) | 1 | 1 | 0 | 0 | 1 | 1 | 4 | | |
| Number of User Inquiries (EQ) | 2 | 1 | 0 | 0 | 1 | 1 | 6 | | |
| Number of Files (ILF) | 2 | 0 | 1 | 0 | 3 | 29 | 20 | | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

| Search Offer and Requests | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 2 | 1 | 0 | 0 | 0 | 0 | 6 | | 34 |
| Number of User Outputs (EO) | 1 | 0 | 1 | 0 | 4 | 10 | 5 | | |
| Number of User Inquiries (EQ) | 1 | 1 | 0 | 0 | 1 | 1 | 3 | | |
| Number of Files (ILF) | 2 | 0 | 1 | 0 | 3 | 29 | 20 | | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

| List Requests | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 1 | 1 | 0 | 0 | 0 | 0 | 3 | | 21 |
| Number of User Outputs (EO) | 1 | 0 | 1 | 0 | 4 | 10 | 5 | | |
| Number of User Inquiries (EQ) | 1 | 1 | 0 | 0 | 1 | 1 | 3 | | |
| Number of Files (ILF) | 1 | 0 | 1 | 0 | 3 | 29 | 10 | | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

| List Offers | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 1 | 1 | 0 | 0 | 0 | 0 | 3 | | 21 |
| Number of User Outputs (EO) | 1 | 0 | 1 | 0 | 4 | 10 | 5 | | |
| Number of User Inquiries (EQ) | 1 | 1 | 0 | 0 | 1 | 1 | 3 | | |
| Number of Files (ILF) | 1 | 0 | 1 | 0 | 3 | 29 | 10 | | |
| Number of External Interfaces (EIF) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

| Edit Status | Count | Simple | Average | Complex | FTR/RET | DET | Points | Reason | Function poin |
|-------------------------------------|-------|--------|---------|---------|---------|-----|--------|--------|---------------|
| Number of User Input (Ei) | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 21 |
| Number of User Outputs (EO) | 1 | 0 | 0 | 1 | 0 | 3 | 10 | 5 | |
| Number of User Inquiries (EQ) | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | |
| Number of Files (ILF) | 1 | 0 | 0 | 1 | 0 | 3 | 29 | 10 | |
| Number of External Interfaces (EIF) | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |



| Time spent (w/o outliers) | Function Points (w/o Velocity) |
|---------------------------|--------------------------------|
| 102,30 | 461 4,50635386 |