| EECS 4313 ACTIVITY NAME Final Project  | PROBLEM REPORT # 2      |
|--|-------------------------|
| PROGRAM ThumbnailatorUtils.java R  | ELEASE 0 VERSION 0.4.20 |
| REPORT TYPE (1-6) 3 - Suggestion SEVERITY 3 - Minor ATTACHMENTS  |                         |
| IF ATTACHED STATE  |                         |
| PROBLEM SUMMARY The method getSupportedOutputFormats() checks for a null return from ImageIO.getWriterFormatNames(), which is not consistent with the Java API.  |                         |
| CAN YOU REPRODUCE THE PROBLEM? Yes   |                         |
| PROBLEM AND HOW TO REPRODUCE IT  As identified via inspection of the Java API and official Java documentation,  ImageIO.getWriterFormatNames() will never return null, so `if (formats == null)` is always true. |                         |
| SUGGESTED FIX (optional)  Remove the null check and replace with a simpler, more representative implementation, like `return Arrays.asList(ImageIO.getWriterFormatNames());`                                     |                         |
| REPORTED BY Group F  | DATE 4/7/25             |
| FOR DEVELOPMENT TEAM ONLY  |                         |
| FUNCTIONAL AREA  | ASSIGNED TO             |
| COMMENTS   |                         |
| STATUS PRIORITY  | RESOLUTION (1-9)        |
| RESOLVED BY  | DATE 4/7/25             |
| RESOLUTION TESTED BY   | DATE 4/7/25             |
| RESOLUTION VERSION 0   | TREAT AS DEFERRED       |