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| **Test Case Name** |
| RecognizeFacialExp\_TC-DetectEmotion\_Valid |

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| **Test Case ID** | TC\_DetectEmotion\_200 | **Created By** | Microsoft Office User |
| **Component** |  | **Creation Date** | 10/27/2021 11:36 AM |
|  | | **Modified By** | QA |
|  | | **Modified Date** | 11/21/2021 12:00 AM |

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| **Requirements Covered** |
| 1. A video in mp4 format 2. Interviewee’s face must be visible and clear in the video to detect the facial expressions |

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| **Purpose of test** |
| This is a Performance Testing.  Check if the emotion returned matches to the overall emotion of the person in the view |

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| **Input Test Data** |
| A recorded video of the interview of the interviewee answering questions. |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **1** | Extract frames from the video | Array of images | | **2** | Convert images into stream | Array of streams | | **3** | Analyze the emotion of each image | An emotion is saved into an array for each image | | **4** | Find the most reoccurring emotion | The most reoccurring emotion is displayed. | | **5** |  |  | |
| **Overall Outcome** |
| **Able to display the overall emotion of the “interviewee” throughout the entire interview** |