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| **Legend** |
| Task Complete  Task needs work – may be bugged  Task not reached   * Task details and notes |

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| Bitmaps  (Week One) | * Research generic face   + Face found and made into bit/depth map * Determine how differences between face proportions will affect comparison percentage   + Depth map helps deal with proportions, depth map will be tweaked in the future through code to deal with faces of varying size * Determine how facial features should be dealt with   + Facial features appear brighter in a depth map, faces with glasses will not be considered in the facial recognition system until after week 2 * Create forward facing generic face bit/depth map   + Sample face in documentation directory * Determine how much of the face must be used to compare each face, and how to isolate the face from its background   + Top of image – Upper extremity of the forehead   + Bottom of image – Lower extremity of chin   + Left of image – Rightmost extremity of cheekbone, does not include ear   + Right of image – Leftmost extremity of cheekbone, does not include ear * Determine how to convert an image into bit/depth map * Determine how different types of images compare to created bit/depth maps * Test bitmap comparison percentages, determine appropriate percentage threshold to establish similar images |
| Comparisons  (Week Two) | * Test generic facing face against person test face * Test algorithm of bitmap face comparisons until percentage threshold is met * Test face comparison algorithm with inanimate objects to see how it responds |