[{"id":"601cfd48.1f9f94","type":"websocket in","z":"92beab02.9c4d48","name":"MsgIn","server":"216faf4c.7f1cf","client":"","x":95,"y":645.7143001556396,"wires":[["c38704e1.457898"]]},{"id":"c38704e1.457898","type":"function","z":"92beab02.9c4d48","name":"MsgPrep","func":"delete msg.\_session;\nreturn msg;\n\n","outputs":1,"noerr":0,"x":284,"y":645.7143001556396,"wires":[["cdfe2303.b2257","a7c7b73.5fb1e48"]]},{"id":"cdfe2303.b2257","type":"websocket out","z":"92beab02.9c4d48","name":"Out","server":"216faf4c.7f1cf","client":"","x":472.75000762939453,"y":644.4643039703369,"wires":[]},{"id":"1c98aa08.a00786","type":"http in","z":"92beab02.9c4d48","name":"WebIn","url":"/chat","method":"get","swaggerDoc":"","x":147.26194381713867,"y":108.01198291778564,"wires":[["8657948d.91c498"]]},{"id":"8657948d.91c498","type":"template","z":"92beab02.9c4d48","name":"Chat Room Script","field":"payload","fieldType":"msg","format":"handlebars","syntax":"mustache","template":"<head>\n <meta name=\"viewport\" content=\"width=320, initial-scale=1\">\n <title>Chat</title>\n</head>\n\n<body>\n <div id=\"wrapper\">\n <div id=\"chat\_box\" class=\"content\"></div>\n\n <div id=\"footer\">\n <div class=\"content\">\n <input type=\"text\" id=\"user\" placeholder=\"Who are you?\" />\n <input type = \"text\" id = \"message\" placeholder=\"What do you want to say?\" onkeydown = \"if (event.keyCode == 13)\n document.getElementById('send\_btn').click()\"/>\n <input type = \"button\" id = \"send\_btn\" value = \"Send\" onclick = \"sendMessage();\"/>\n </div>\n </div>\n </div>\n</body>\n\n<script type=\"text/javascript\">\n var wsUri = \"ws://{{req.headers.host}}/ws/chat\";\n var ws = new WebSocket(wsUri);\n\n function createSystemMessage(message) {\n var message = document.createTextNode(message);\n\n var messageBox = document.createElement('p');\n messageBox.className = 'system';\n\n messageBox.appendChild(message);\n\n var chat = document.getElementById('chat\_box');\n chat.appendChild(messageBox);\n }\n\n function createUserMessage(user, message) {\n var user = document.createTextNode(user + ': ');\n\n var userBox = document.createElement('span');\n userBox.className = 'username';\n userBox.appendChild(user);\n\n var message = document.createTextNode(message);\n\n var messageBox = document.createElement('p');\n messageBox.appendChild(userBox);\n messageBox.appendChild(message);\n\n var chat = document.getElementById('chat\_box');\n chat.appendChild(messageBox);\n }\n\n ws.onopen = function(ev) {\n createSystemMessage('[Connected]');\n console.log();\n };\n\n ws.onclose = function(ev) {\n createSystemMessage('[Disconnected]');\n }\n\n ws.onmessage = function(ev) {\n var payload = JSON.parse(ev.data);\n \n var user = payload.user;\n var message = payload.message;\n \n if (isSpotifylink(payload)){\n new Audio(payload.audioURI).play();\n message = payload.content;\n }\n else if (isBBCnews(payload)){\n message = payload.content;\n }\n \n createUserMessage(user, message);\n\n var chat = document.getElementById('chat\_box');\n chat.scrollTop = chat.scrollHeight;\n }\n\n function isSpotifylink(payload){\n return 'audioURI' in payload;\n }\n function isBBCnews(payload){\n return 'content' in payload;\n }\n \n function sendMessage() {\n var user = document.getElementById('user');\n var message = document.getElementById('message');\n\n var payload = {\n message: message.value,\n user: user.value,\n ts: (new Date()).getTime()\n };\n\n ws.send(JSON.stringify(payload));\n message.value = \"\";\n };\n</script>\n\n<style type=\"text/css\">\n \* {\n font-family: Candara, Open sans, sans-serif;\n font-style: normal;\n font-size: 20px;\n }\n\n html, body, #wrapper {\n margin: 0;\n padding: 0;\n height: 100%;\n }\n\n #wrapper {\n background-color: #000000;\n }\n\n #chat\_box {\n box-sizing: border-box;\n height: 100%;\n overflow: auto;\n padding-bottom: 50px;\n }\n\n #footer {\n box-sizing: border-box;\n position: fixed;\n bottom: 0;\n height: 57px;\n width: 100%;\n background-color: #0d0d0d;\n }\n\n #footer .content {\n padding-top: 10px;\n position: relative;\n }\n\n #user { \n width: 20%;\n border-radius: 25px;\n text-align: center;\n color: #f2f2f2;\n }\n #message { \n width: 68%;\n border-radius: 25px;\n text-align: center;\n color: #f2f2f2;\n }\n \n /\*btn design \*/\n #send\_btn {\n width: 10%;\n height: 38px;\n display: inline-block;\n background: #0d0d0d;\n color: #660066;\n font-size: 20px;\n border-radius: 50px;\n position: relative;\n display: inline-block;\n text-align: center;\n float: right;\n }\n #send\_btn:hover {\n box-shadow: 0 4px #404040;\n top: 2px;\n color: #990099;\n }\n #send\_btn:active {\n box-shadow: 0 0 #404040;\n top: 6px;\n }\n /\*btn design \*/\n \n .content {\n width: 70%;\n margin: 0 auto;\n color: #f2f2f2;\n }\n\n input[type=\"text\"],\n input[type=\"button\"] {\n border: 0;\n color: #fff;\n }\n\n input[type=\"text\"] {\n background-color: #0d0d0d;\n padding: 3px 10px;\n }\n\n .system,\n .username {\n color: #aaa;\n font-style: normal;\n font-family: monospace;\n font-size: 16px;\n }\n\n @media(max-width: 1000px) {\n .content { width: 90%; }\n }\n\n @media(max-width: 780px) {\n #footer { height: 91px; }\n #chat\_box { padding-bottom: 91px; }\n\n #user { width: 100%; }\n #message { width: 80%; }\n }\n\n @media(max-width: 400px) {\n #footer { height: 135px; }\n #chat\_box { padding-bottom: 135px; }\n\n #message { width: 100%; }\n #send\_btn {\n position: relative;\n margin-top: 3px;\n width: 100%;\n }\n }\n</style>\n","x":334.51196670532227,"y":108.2619800567627,"wires":[["35756e4e.6072f2"]]},{"id":"35756e4e.6072f2","type":"http response","z":"92beab02.9c4d48","name":"WebOut","x":527.5118980407715,"y":108.2619800567627,"wires":[]},{"id":"c488200e.0b0e","type":"watson-conversation-v1","z":"92beab02.9c4d48","name":"Coffeebot","workspaceid":"56e9d610-c9a6-49e7-af5e-997b0e305097","multiuser":false,"context":true,"x":825.0000801086426,"y":325.50000858306885,"wires":[["6bdc7963.871b48","1f665bc.9a99ba4","92a87f77.4302f"]]},{"id":"e7d65457.8c3ba8","type":"json","z":"92beab02.9c4d48","name":"Str2Obj","x":389.5,"y":514.4643020629883,"wires":[["cae3a948.3da238"]]},{"id":"cae3a948.3da238","type":"function","z":"92beab02.9c4d48","name":"Extract Message","func":"msg.payload = msg.payload.message;\ndelete msg.\_msgid;\nreturn msg;","outputs":"1","noerr":0,"x":593,"y":510.4643020629883,"wires":[["d6dacdbe.d79f6"]]},{"id":"1f665bc.9a99ba4","type":"function","z":"92beab02.9c4d48","name":"Format Bot Output","func":"msg.payload = {\"message\":msg.payload.output.text[0],\n\"user\":\"CASE\"};\nreturn msg;","outputs":"1","noerr":0,"x":1029.0000762939453,"y":325.25001430511475,"wires":[["6ed2a787.5d1ac8"]]},{"id":"6ed2a787.5d1ac8","type":"json","z":"92beab02.9c4d48","name":"Obj2Str","x":1207.4643783569336,"y":324.82143688201904,"wires":[["53c4dc41.7df6b4"]]},{"id":"53c4dc41.7df6b4","type":"websocket out","z":"92beab02.9c4d48","name":"MsgOut","server":"216faf4c.7f1cf","client":"","x":1362.5714073181152,"y":324.07141494750977,"wires":[]},{"id":"a7c7b73.5fb1e48","type":"delay","z":"92beab02.9c4d48","name":"","pauseType":"delay","timeout":".5","timeoutUnits":"seconds","rate":"1","nbRateUnits":"1","rateUnits":"second","randomFirst":"1","randomLast":"5","randomUnits":"seconds","drop":false,"x":227.5,"y":512.4643020629883,"wires":[["e7d65457.8c3ba8"]]},{"id":"70253b71.9ca5a4","type":"debug","z":"92beab02.9c4d48","name":"Coffee","active":true,"console":"false","complete":"true","x":1360.8572158813477,"y":680.34521484375,"wires":[]},{"id":"6614ec0a.cb8214","type":"function","z":"92beab02.9c4d48","name":"MakeCoffee","func":"//Create a new object containing \n//the required infomation to make coffee\nvar coffee = {\"payload\":null};\ncoffee.payload = {\"type\":null,\n \"strength\":null,\n \"shot\":null,\n \"confirm\":null\n };\n \n //Get CoffeeType\n if(msg.payload.context.CoffeeType == \"Americano\"){\n coffee.payload.type = 3;\n }\n else if(msg.payload.context.CoffeeType == \"Ristretto\"){\n coffee.payload.type = 1;\n }\n else if(msg.payload.context.CoffeeType == \"Espresso\"){\n coffee.payload.type = 2;\n }\n \n //Get ShotNumber, default: single shot\n if(msg.payload.context.ShotNumber == \"single shot\"){\n coffee.payload.shot = 1;\n }\n else if(msg.payload.context.ShotNumber == \"double shot\"){\n coffee.payload.shot = 2;\n }\n \n //Get Strength, default: regular\n if(msg.payload.context.Strength == \"Weak\"){\n coffee.payload.strength = 1;\n }\n else if(msg.payload.context.Strength == \"Regular\"){\n coffee.payload.strength = 2;\n }\n else if(msg.payload.context.Strength == \"Strong\"){\n coffee.payload.strength = 3;\n }\n \n //Confirmation of making coffee\n if(msg.payload.context.Confirm == \"no\"){\n coffee.payload.confirm = \"no\";\n }\n else if(msg.payload.context.Confirm == \"ok\"){\n coffee.payload.confirm = \"ok\";\n }\n \nmsg = coffee;\n\n\n\nreturn msg; ","outputs":1,"noerr":0,"x":1146.8572120666504,"y":681.8452157974243,"wires":[["70253b71.9ca5a4"]]},{"id":"6bdc7963.871b48","type":"debug","z":"92beab02.9c4d48","name":"watson payload","active":false,"console":"false","complete":"true","x":1021.4524459838867,"y":280.03572368621826,"wires":[]},{"id":"a2e57984.518cf8","type":"http request","z":"92beab02.9c4d48","name":"Spotify Search API","method":"GET","ret":"obj","url":"https://api.spotify.com/v1/search?type=track&market=MY&limit=10&q=genre:{{{genre}}}","tls":"","x":1375.9822082519531,"y":728.09521484375,"wires":[["91e3377d.5b19c8"]]},{"id":"91e3377d.5b19c8","type":"function","z":"92beab02.9c4d48","name":"Prepare for MusicMessage","func":"var items = msg.payload.tracks.items;\nvar rndm = Math.floor((Math.random() \* items.length-1));\nvar item = items[rndm];\nvar artists = [];\nfor (var i in item.artists) {\n artists.push(item.artists[i].name);\n}\ntitle = item.name;\ncontent = \"I have found \" + title + \" by \" + artists.join(\", \") + \".\";\nurl = item.preview\_url;\n\nmsg.payload = {\n chatId : msg.chatId,\n type : \"message\",\n user : \"CASE\",\n content : content,\n audioURI : url\n};\nreturn msg;","outputs":1,"noerr":0,"x":1618.4822158813477,"y":726.8452167510986,"wires":[["314e7fb5.a70ef"]]},{"id":"5f4ec539.0210fc","type":"switch","z":"92beab02.9c4d48","name":"swith","property":"payload.context.action","propertyType":"msg","rules":[{"t":"eq","v":"register","vt":"str"},{"t":"eq","v":"coffee","vt":"str"},{"t":"eq","v":"music","vt":"str"},{"t":"eq","v":"news","vt":"str"}],"checkall":"true","outputs":4,"x":973.1250152587891,"y":704.1666355133057,"wires":[["1fcc850d.55c60b"],["6614ec0a.cb8214"],["42ba6a26.9b5624"],["2c8ff0fe.d3889"]]},{"id":"42ba6a26.9b5624","type":"function","z":"92beab02.9c4d48","name":"Prepare for Spotify","func":"msg.genre = msg.payload.context.genre;\nreturn msg;","outputs":1,"noerr":0,"x":1165.9822082519531,"y":725.59521484375,"wires":[["a2e57984.518cf8"]]},{"id":"2c8ff0fe.d3889","type":"http request","z":"92beab02.9c4d48","name":"BBC news API","method":"GET","ret":"obj","url":"https://newsapi.org/v1/articles?source=bbc-news&sortBy=top&apiKey=0ea1dd91fb1145359717bb8f0c015acc","tls":"","x":1155.9822082519531,"y":774.34521484375,"wires":[["d3b91ba9.8fa888"]]},{"id":"10ef38ba.2e04e7","type":"comment","z":"92beab02.9c4d48","name":"Choose the Output DATA","info":"","x":1160.2678527832031,"y":573.9880790710449,"wires":[]},{"id":"d3b91ba9.8fa888","type":"function","z":"92beab02.9c4d48","name":"Prepare News Message","func":"var news = msg.payload.articles;\nvar rndm = Math.floor((Math.random() \* news.length));\nvar headline = news[rndm];\n\nbbc = headline.title +\"\\n\" + headline.description;\n\nmsg.payload = {\n type : \"message\",\n user : \"CASE\",\n article: rndm,\n content : bbc,\n};\nreturn msg;","outputs":1,"noerr":0,"x":1380.3571968078613,"y":775.5952110290527,"wires":[["314e7fb5.a70ef"]]},{"id":"314e7fb5.a70ef","type":"json","z":"92beab02.9c4d48","name":"Obj2Str","x":1814.1072235107422,"y":774.3452167510986,"wires":[["c52052d7.3dd9f"]]},{"id":"c52052d7.3dd9f","type":"websocket out","z":"92beab02.9c4d48","name":"MsgOut","server":"216faf4c.7f1cf","client":"","x":1975.1072216033936,"y":774.8452167510986,"wires":[]},{"id":"b572c368.afef1","type":"watson-tone-analyzer-v3","z":"92beab02.9c4d48","name":"","tones":"all","sentences":"true","contentType":"false","x":287.9821548461914,"y":783.0357065200806,"wires":[["e365686c.bd9348"]]},{"id":"29b5d7fe.44d748","type":"function","z":"92beab02.9c4d48","name":"reset context","func":"msg.params = {\n context: {}\n};\n\nreturn msg;","outputs":1,"noerr":0,"x":352.70834732055664,"y":212.19046878814697,"wires":[["cd316695.cb69e8"]]},{"id":"e8286319.092f1","type":"inject","z":"92beab02.9c4d48","name":"","topic":"","payload":"reset","payloadType":"str","repeat":"","crontab":"","once":false,"x":153.33334732055664,"y":212.19046783447266,"wires":[["29b5d7fe.44d748"]]},{"id":"d4ed1cf2.34945","type":"debug","z":"92beab02.9c4d48","name":"Emotion","active":false,"console":"false","complete":"true","x":683.5178451538086,"y":841.6071281433105,"wires":[]},{"id":"e365686c.bd9348","type":"function","z":"92beab02.9c4d48","name":"add emotion to context","func":"var emotions = [];\nvar threshold = 0.5;\nvar topemotion ='';\n\n// simplify object returned by tone analyser to only the emotion tones\nemotions = msg.response.document\_tone.tone\_categories\n .filter(function(c){\n if (c.category\_id == \"emotion\_tone\")\n {return c; }\n })[0].tones;\n \n\nnode.warn(\"Detected tones: \\n\" + JSON.stringify(emotions));\n\n// find highest score and return that tone name, if that score is greater than the threshold\ntopemotion = emotions.reduce(function(a, b){ return a.score > b.score ? a : b; });\n\nif (topemotion.score > threshold) {\n topemotion = topemotion.tone\_name;\n} else {\n topemotion = \"neutral\";\n}\n\n\n// add top emotion to conversation context\nmsg.additional\_context = { emotion: topemotion };\n\nnode.warn(\"Emotion added to conversation context:\\n \" + topemotion); \n\n\nreturn msg;\n","outputs":1,"noerr":0,"x":518.071439743042,"y":782.3214292526245,"wires":[["d4ed1cf2.34945","60c55a4d.d42c34"]]},{"id":"5ba1756f.3525fc","type":"comment","z":"92beab02.9c4d48","name":"Tone Analyser","info":"","x":282.3571548461914,"y":739.2857046127319,"wires":[]},{"id":"1fcc850d.55c60b","type":"function","z":"92beab02.9c4d48","name":"Register New User","func":"//Create a new object containing \n//the required infomation to make coffee\nvar newUser = {\"payload\":null};\nnewUser.payload = {\"name\":null,\n \"type\":null\n };\n\n //Get userName\n newUser.payload.name = msg.payload.context[\"sys-person\"];\n \n //Get CoffeeType\n if(msg.payload.context.CoffeeType == \"Americano\"){\n newUser.payload.type = \"Americano\";\n }\n else if(msg.payload.context.CoffeeType == \"Ristretto\"){\n newUser.payload.type = \"Ristretto\";\n }\n else if(msg.payload.context.CoffeeType == \"Espresso\"){\n newUser.payload.type = \"Espresso\";\n }\n \nmsg = newUser;\n\n\n\nreturn msg; ","outputs":1,"noerr":0,"x":1158.023941040039,"y":633.0951957702637,"wires":[["a16fc750.c2fb68"]]},{"id":"a16fc750.c2fb68","type":"debug","z":"92beab02.9c4d48","name":"Name&CoffeeType","active":true,"console":"false","complete":"payload","x":1387.357192993164,"y":632.428539276123,"wires":[]},{"id":"5a978de.bd84974","type":"inject","z":"92beab02.9c4d48","name":"","topic":"","payload":"newuser","payloadType":"str","repeat":"","crontab":"","once":false,"x":355.6666564941406,"y":268.69047355651855,"wires":[["cd316695.cb69e8"]]},{"id":"cd316695.cb69e8","type":"link out","z":"92beab02.9c4d48","name":"ContextSetting","links":["4cb8a16c.d25ca"],"x":474.9999752044678,"y":246.19045448303223,"wires":[]},{"id":"4cb8a16c.d25ca","type":"link in","z":"92beab02.9c4d48","name":"MessageIn","links":["cd316695.cb69e8","60c55a4d.d42c34"],"x":710.7143688201904,"y":325.47621631622314,"wires":[["c488200e.0b0e"]]},{"id":"13bf5838.6ebd58","type":"link in","z":"92beab02.9c4d48","name":"Switch","links":["92a87f77.4302f"],"x":880.0000095367432,"y":705.8333225250244,"wires":[["5f4ec539.0210fc"]]},{"id":"92a87f77.4302f","type":"link out","z":"92beab02.9c4d48","name":"","links":["13bf5838.6ebd58"],"x":955.4761619567871,"y":379.52379322052,"wires":[]},{"id":"d6dacdbe.d79f6","type":"link out","z":"92beab02.9c4d48","name":"","links":["f1a99de0.a83b5"],"x":728.5714597702026,"y":511.4285430908203,"wires":[]},{"id":"f1a99de0.a83b5","type":"link in","z":"92beab02.9c4d48","name":"checkEmotionInput","links":["d6dacdbe.d79f6"],"x":134.28572416305542,"y":784.2857303619385,"wires":[["b572c368.afef1"]]},{"id":"60c55a4d.d42c34","type":"link out","z":"92beab02.9c4d48","name":"EmotionOut","links":["4cb8a16c.d25ca"],"x":677.1428546905518,"y":781.4286069869995,"wires":[]},{"id":"fca4bfb1.3eee8","type":"comment","z":"92beab02.9c4d48","name":"ContextSetting","info":"","x":161.42855834960938,"y":172.14283752441406,"wires":[]},{"id":"efa3bec.fc22b4","type":"comment","z":"92beab02.9c4d48","name":"WatsonConversation","info":"","x":806.0714225769043,"y":251.4285774230957,"wires":[]},{"id":"216faf4c.7f1cf","type":"websocket-listener","path":"/ws/chat","wholemsg":"false"}]