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People Management Systems

PART 1: FRONT END

Build a website front end using Java and HTML frameworks that demonstrates the following:

- To be able to architect an application
- Be able to create a beautifully styled web application
- Build a simple tax calculator which should cater for the following:

  Input:
  - Tax Year
  - Age
  - Total Taxable Earnings
    - Allow to capture either monthly or annual
  - Medical Aid Members + Main

  Output:
  - Calculated PAYE – before tax credit
    - Monthly
    - Annually
  - Tax Credits
  - PAYE Due – After Tax Credit
  - Net Cash Pay after PAYE Due

  This must cater for all South African Tax Brackets in 2018 and 2017 Tax Year.

PART 2: REPOSITORY

- Use GitHub as the source control.
- Email the Git repo URL as soon as it's created.
- Commit code regularly.

See Page 2 and 3 for provided Tax Tables.

1. Tax Year 2017
Individuals and special trusts

Taxable Income	Rate of Tax
0 – 188 000	18% of taxable income
188 001 – 293 600	33 840 + 26% of taxable income above 188 000
293 601 – 406 400	61 296 + 31% of taxable income above 293 600
406 401 – 550 100	96 264 + 36% of taxable income above 406 400
550 101 – 701 300	147 996 + 39% of taxable income above 550 100
701 301 and above	206 964 + 41% of taxable income above 701 300

Tax Rebates

Rebate	
Primary	R13 500
Secondary (Persons 65 and older)	R7 407
Tertiary (Persons 75 and older)	R 2 466

Tax Thresholds

Age	Tax Threshold
Below age 65	R75 000
Age 65 to 75	R116 150
Age 75 and over	R129 850

Medical Aid Tax Credits
R286 per month for the taxpayer who paid the medical scheme contributions
R286 per month for the first dependant
R192 per month for each additional dependant(s)

Example: - Person of Age between 65 to 75
Gross Monthly - R 30 000
Gross Annual - R360 000

360 000 – 293 600
= 66 400 * 31%
= 20 584 + 61 296
= 81 880 – 20 907
= 60 973 / 12
= 5081.08

Thus Monthly Tax = R5081.08

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2. Tax Year 2018
Individuals and special trusts

Taxable Income	Rate of Tax
0 – 189 880	18% of taxable income
189 881 – 296 540	34 178 + 26% of taxable income above 189 880
296 541 – 410 460	61 910 + 31% of taxable income above 296 540
410 461 – 555 600	97 225 + 36% of taxable income above 410 460
555 601 – 708 310	149 475 + 39% of taxable income above 555 600
708 311 – 1 500 000	209 032 + 41% of taxable income above 708 310
1 500 001 and above	533 625 + 45% of taxable income above 1 500 000

Tax Rebates

Rebate	
Primary	R13 635
Secondary (Persons 65 and older)	R7 479
Tertiary (Persons 75 and older)	R2 493

Tax Thresholds

Age	Tax Threshold
Below age 65	R75 750
Age 65 to 75	R117 300
Age 75 and over	R131 150

Medical Aid Tax Credits
R303 per month for the taxpayer who paid the medical scheme contributions
R303 per month for the first dependant
R204 per month for each additional dependant(s)

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