

RAPPORT D'ANALYSE

DÉTAILS DE L'ANALYSE :

Déposé par : lassaad.saidani@esprit.tn

Nom du fichier : PFE_Report_MedDhiaZoghlami_VF.pdf

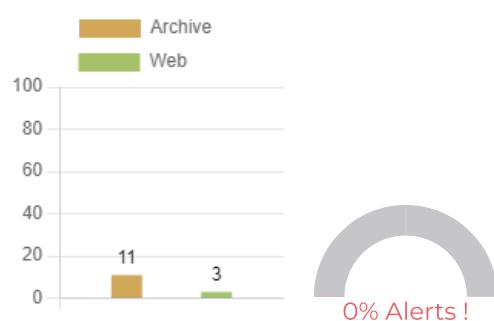
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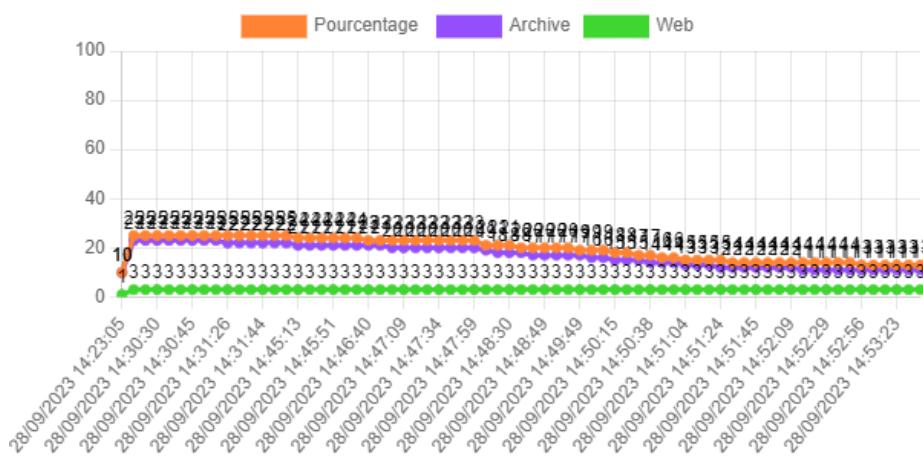
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Nom du fichier : Rapport_PFE_Hajri_Mohamed_Amin.pdf

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Nom du fichier : PS21_SIC16_Abir Smirani.doc

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Nom du fichier : Rapport_PFE_Mastouri_Jihed.pdf

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Nom du fichier : Internship Report.docx

Déposé par : Sana.Fayechi (sana.fayechi@esprit.tn) - 12/1/2022, 4:29:16 PM

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Nom du fichier : Rapport_PFE_Houda_FARH.pdf

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Nom du fichier : Rapport_PFE_Benchebil_Chiheb.pdf
Déposé par : Ben.Yahia Mohamed Selmene (medselmene.benyahia@esprit.tn) - 7/6/2023, 4:56:39 PM
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Déposé par : Wiem.Abderrahim (wiem.abderrahim@univgb.tn) - 9/27/2023, 7:05:06 PM
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Nombre des sections activées : 1/4
Nom du fichier : Rapport_PFE_Foued_Kanzaoui.pdf
Déposé par : Yosra.Hajjaji (yosra.hajjaji@esprit.tn) - 6/28/2023, 1:12:12 AM
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Nom du fichier : PFE__Mohamed_Nader_Hachana (1).pdf
Déposé par : raoudha.khcherif@ensi.uma.tn (raoudha.khcherif@ensi.uma.tn) - 6/16/2023, 9:48:38 PM
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Nombre des sections activées : 2/3

Nom du fichier : **Jeridi_Hatem_Rapport_PFE.docx**

Déposé par : **Mohamed.Haouel** (mohamed.haouel@esprit.tn) - 3/16/2023, 10:24:15 AM

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Nom du fichier : **Rapport_PFE_mohamed_nalouti.docx**

Déposé par : **Nesrine.Bensalah** (nesrine.bensalah@esprit.tn) - 9/8/2023, 10:14:20 AM

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Nom du fichier : **BI-Mohamed Dakhli.pdf**

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Nom du fichier : **PFE_Yassine_Ben_Ahmed.pdf**

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Link : https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/BACHAIER_T ...

Type : **Archive (1)**

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Nombre des sections activées : **1/ 1**

Nom du fichier : **Rapport FAJRAOUI Khaled final.pdf**

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Type : **Archive (4)**

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Nombre des sections activées : **1/ 4**

Nom du fichier : **rapport__HBB.pdf**

Déposé par : **Hamrouni.Tarek** (hamrouni.tarek@gmail.com) - 9/22/2023, 6:21:16 AM

Type : **Archive (1)**

pourcentage : 1%

Nombre des sections activées : **1/ 1**

Nom du fichier : **Rapport_PFE_Saad_Iheb.pdf**

Déposé par : **atef.maddouri@esprit.tn** (atef.maddouri@esprit.tn) - 7/19/2023, 11:53:26 PM

Type : **Archive (6)**

pourcentage : 1%

Nombre des sections activées : **1/ 6**

Nom du fichier : **Rapport_pfe_Mezrani_motaz (1).pdf**

Déposé par : **abir.amorbenali@esprit.tn** (abir.amorbenali@esprit.tn) - 7/9/2023, 6:38:35 AM

Type : **Archive (7)**

pourcentage : 1%

Nombre des sections activées : **1/ 7**

Nom du fichier : **End_of_studies_report_ESPRIT_chiheb (2).pdf**

Déposé par : **Ben.Yahia Mohamed Selmene** (medselmene.benyahia@esprit.tn) - 7/4/2023, 1:18:07 PM

Type : Archive (1)	pourcentage : 1%
Nombre des sections activées : 1/1	
Nom du fichier : Report_ENSI_Ibrahim.pdf	
Déposé par : Faiza.Najjar (faiza.najjar@ensi.uma.tn) - 9/1/2023, 12:02:14 PM	
Type : Archive (3)	pourcentage : 1%
Nombre des sections activées : 1/3	
Nom du fichier : jbelli hela.pdf	
Déposé par : Abir.Chaabani (abir.chaabani@gmail.com) - 6/21/2023, 1:46:17 PM	
Type : Archive (4)	pourcentage : 1%
Nombre des sections activées : 1/4	
Nom du fichier : Rapport_PFE_Mrad_Nour.pdf	
Déposé par : chifaa.ghanmi@esprit.tn (chifaa.ghanmi@esprit.tn) - 7/4/2023, 2:24:21 PM	
Type : Archive (4)	pourcentage : 1%
Nombre des sections activées : 4/4	
Nom du fichier : Rapport_PFE_AYMEN_MAALEJ.pdf	
Déposé par : Amine.Zribi (amine.zribi@esprit.tn) - 7/12/2023, 3:52:17 PM	
Type : Archive (1)	pourcentage : 1%
Nombre des sections activées : 0/1	
Nom du fichier : RAPPORT_PFE_BELHADJALI_KARIM.pdf	
Déposé par : BELLAAJ.Maha (maha.bellaaj@esprit.tn) - 6/12/2023, 10:22:54 AM	
Type : Archive (1)	pourcentage : 1%
Nombre des sections activées : 1/1	
Link : https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/Ines_BAH ...	
Type : Archive (4)	pourcentage : 1%
Nombre des sections activées : 0/4	
Link : https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/Think-it ...	
Type : Archive (3)	pourcentage : 1%
Nombre des sections activées : 2/3	
Nom du fichier : Wassel Kahri Report Final Version.docx	
Déposé par : Imene.Hmouda (imen.hmouda@isi.utm.tn) - 7/3/2023, 7:44:08 AM	
Type : Archive (1)	pourcentage : 1%
Nombre des sections activées : 1/1	
Link : https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/RAPPORT_ ...	
Type : Archive (6)	pourcentage : 1%
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Nom du fichier : PFE version final 2.pdf	
Déposé par : Raoudha.Chebil (raoudha.chebil@ensi-uma.tn) - 8/28/2023, 10:07:50 PM	
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Nom du fichier : Rapport_PFE_Fitouri_Ilyes.pdf	

Déposé par : Aida.Allaya (aida.allaya@esprit.tn) - 7/13/2023, 10:46:54 AM

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Nombre des sections activées : 1/1

Nom du fichier : rapport ghassen laamouri.pdf

Déposé par : Ines.Channoufi (ines.channoufi@esprit.tn) - 7/5/2023, 12:00:38 PM

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Link : <https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/HaifaCharr ...>

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pourcentage : 1%

Nombre des sections activées : 1/3

Link : <https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/pour-pla ...>

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pourcentage : 1%

Nombre des sections activées : 0/1

Nom du fichier : Rapport Stage PFE 2022-2023 (1).pdf

Déposé par : sarra.sebai@esprit.tn (Sarra.SEBAI@esprit.tn) - 9/21/2023, 11:06:06 AM

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Nom du fichier : Rapport_PFE_Masmoudi_Omar.pdf

Déposé par : faten.ziadi@esprit.tn (faten.ziadi@esprit.tn) - 6/19/2023, 2:42:54 PM

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Nombre des sections activées : 2/7

Nom du fichier : Rapport_PFE_Dhouha_ARFAOUI.pdf

Déposé par : mohamedadel.sellami@esprit.tn (mohamedadel.sellami@esprit.tn) - 7/25/2023, 6:01:08 PM

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Nom du fichier : pfe_azza_ben_Naceur.pdf

Déposé par : Ikbeld.Azaiez (ikbel.azaiez@univgb.tn) - 9/8/2022, 11:36:48 AM

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Nom du fichier : Rapport_PFE_Mnasser_Mohamed_Dhia.pdf
Déposé par : Meriem.Ben Alaya (meriem.benalaya@esprit.tn) - 6/27/2023, 4:16:23 PM
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Déposé par : leila.issaoui@uvt.tn (leila.issaoui@uvt.tn) - 9/7/2022, 10:53:27 PM
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Nombre des sections activées : 2/5
Nom du fichier : Rapport-PFE-Imededin_modifiée.pdf
Déposé par : raoudha.khcherif@ensi.uma.tn (raoudha.khcherif@ensi.uma.tn) - 8/31/2023, 6:17:34 PM
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Déposé par : Ahmed.Zaafouri (ahmed.zaafouri@isamm.uma.tn) - 9/23/2022, 10:33:04 PM
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Nombre des sections activées : 1/5
Nom du fichier : Rapport_PFE_Cyrine_Belguith_.pdf
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Nom du fichier : Rapport_Plagiat_Rahma_Chehoud.pdf
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Nom du fichier : Selim_MouelhiReport.pdf
Déposé par : Karray.Gargouri (karray.gargouri@esprit.tn) - 9/24/2023, 3:06:02 PM
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Link : <https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/these-24-0 ...>
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Déposé par : Kais.Abid (kais.abid@enetcom.usf.tn) - 6/15/2023, 3:31:55 PM

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Nombre des sections activées : 1/1
Link : <https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/bechir-k ...>

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Nom du fichier : PCD-Hafedh.pdf
Déposé par : Nesrine.Benyahia (nesrine.benyahia@ensi-uma.tn) - 5/9/2023, 5:10:47 PM

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Nom du fichier : Rap_PFE_MouradKhaled_Zoulel Kouki.pdf
Déposé par : abderrahmen.zaaouri@uvt.tn (abderrahmen.zaaouri@uvt.tn) - 6/27/2022, 11:53:55 PM

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Nom du fichier : Rapport PFE_Nebrass SMAALI_GEC-SEI.pdf
Déposé par : Kais.Abid (kais.abid@enetcom.usf.tn) - 12/2/2022, 11:17:14 AM

Type : Archive (2) pourcentage : 1%
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Nom du fichier : PFE Mohamed Dhia Mnasser.pdf
Déposé par : Majdi.Gharbi (majdi.gharbi@esprit.tn) - 6/15/2023, 7:44:03 AM

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Nombre des sections activées : 1/6	
Nom du fichier : ALOUI_maeiem_PFE_ULT_2022_Copy-final.pdf	
Déposé par : Yassine.Mokaddem (y.mokaddem@ult-tunisie.com) - 9/11/2022, 5:49:16 PM	
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Nombre des sections activées : 1/3	
Nom du fichier : Omar Kadri Report End of Study .pdf	
Déposé par : Rim.Kaabi (rim.kaabi@isi.utm.tn) - 5/30/2023, 8:07:03 AM	
Type : Archive (4)	pourcentage : 2%
Nombre des sections activées : 0/4	
Link : https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/oussama-me ...	
Type : Archive (3)	pourcentage : 1%
Nombre des sections activées : 0/3	
Nom du fichier : Rapport_PFE_Mohamed Malek SAADANI.pdf	
Déposé par : Bilel.Charfi (bilel.charfi@esprit.tn) - 1/21/2023, 11:53:38 AM	
Type : Archive (5)	pourcentage : 1%
Nombre des sections activées : 0/5	
Nom du fichier : Rapport_PFE_Khlifi_Hajed.pdf	
Déposé par : nejla.rejeb@esprit.tn (nejla.rejeb@esprit.tn) - 6/19/2023, 5:57:00 PM	
Type : Archive (4)	pourcentage : 1%
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Nom du fichier : 3cs.yosr_barghouthi.pdf	
Déposé par : Nadia.Bridaa (nadia.bridaa@isi.utm.tn) - 5/30/2023, 12:59:36 PM	
Type : Archive (3)	pourcentage : 1%
Nombre des sections activées : 0/3	
Nom du fichier : rapport_wassimfinal.pdf	
Déposé par : ikbel.azaiez@univgb.tn (ikbel.azaiez@univgb.tn) - 6/14/2022, 9:56:20 PM	
Type : Archive (4)	pourcentage : 1%
Nombre des sections activées : 0/4	
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Type : Archive (3)	pourcentage : 1%
Nombre des sections activées : 0/3	
Nom du fichier : pfe_report_bochra_mzid_final.pdf	
Déposé par : Ichak.Amdouni (ichak.amdouni@ensi-uma.tn) - 6/19/2023, 8:20:59 PM	
Type : Archive (4)	pourcentage : 1%
Nombre des sections activées : 0/4	
Nom du fichier : Synda_Fhal_Rapport_PFE (1)-14-64.pdf	
Déposé par : raoudha.khcherif@ensi.uma.tn (raoudha.khcherif@ensi.uma.tn) - 8/29/2023, 9:56:00 AM	
Type : Archive (1)	pourcentage : 1%
Nombre des sections activées : 0/1	

Link : <https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/DMT-repo ...>

Type : Archive (1) pourcentage : 1%

Nombre des sections activées : 0/1

Link : <https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/LOOM-REP ...>

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Nombre des sections activées : 0/3

Nom du fichier : Rapport_PFE_Malek_Ayadi_V2.pdf

Déposé par : Yosra.Bouchoucha (yosra.bouchoucha@esprit.tn) - 9/16/2023, 10:07:26 PM

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Nombre des sections activées : 0/3

Link : https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/Ragheb_B ...

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Link : https://plagprevent.s3.eu-west-3.amazonaws.com/en_0f7999fa-2d2f-11ee-a ...

Type : Archive (1) pourcentage : 1%

Nombre des sections activées : 0/1

Link : https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/PFE_final ...

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Nombre des sections activées : 0/1

Nom du fichier : pfe-Yosri Azabou.pdf

Déposé par : Wahiba.Bak (wahiba.bak@gmail.com) - 5/28/2023, 5:29:30 PM

Type : Archive (2) pourcentage : 1%

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Link : https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/FINAL_vers ...

Type : Archive (2) pourcentage : 1%

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Nom du fichier : Achref_Djebbi_PFE(1).pdf

Déposé par : Bilel.Charfi (bilel.charfi@esprit.tn) - 7/6/2023, 1:01:53 PM

Type : Archive (2) pourcentage : 1%

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Nom du fichier : Rapport_PFE_Nour_Belguith.pdf

Déposé par : Ameni.Mersani (ameni.mersani@esprit.tn) - 7/12/2023, 11:53:15 AM

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Link : https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/Ayoub_Gamm ...

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Nombre des sections activées : 0/1

Nom du fichier : PFE_Plagiat_KhadijaMakhlof.pdf

Déposé par : leila.benayed@ensi.uma.tn (leila.benayed@ensi.uma.tn) - 6/20/2023, 6:01:24 AM

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Nombre des sections activées : 0 / 2
Nom du fichier : Rapport_PFE_Attia_Amani (1).pdf
Déposé par : souha.bousselmi@esprit.tn (souha.bousselmi@esprit.tn) - 7/7/2023, 7:34:40 AM
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Nombre des sections activées : 0 / 1
Nom du fichier : Rapport_PFE_Ghofrane_Thairi.pdf
Déposé par : amal.rihani@esprit.tn (amal.rihani@esprit.tn) - 7/6/2023, 2:35:26 PM
- Type : Archive (2) pourcentage : 1%
Nombre des sections activées : 0 / 2
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Nombre des sections activées : 0 / 7
Nom du fichier : jlassi_sarra3IDL.pdf
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Nombre des sections activées : 0 / 4
Nom du fichier : Zeineb_Dridi_PFE .pdf
Déposé par : Ahmed.Ben Taleb (ahmed.bentaleb@fst.utm.tn) - 9/5/2023, 1:46:50 PM
- Type : Archive (2) pourcentage : 1%
Nombre des sections activées : 0 / 2
Nom du fichier : thesis 1.pdf
Déposé par : Ahmed.Benhamouda (ahmed.benhamouda@esct.uma.tn) - 5/27/2023, 5:46:15 AM
- Type : Archive (5) pourcentage : 1%
Nombre des sections activées : 0 / 5
Nom du fichier : Rapport PFE-version-vf-Mohannad Khadhraoui.pdf
Déposé par : lassaad.saidani@esprit.tn (lassaad.saidani@esprit.tn) - 9/13/2022, 3:09:34 PM
- Type : Archive (2) pourcentage : 1%
Nombre des sections activées : 0 / 2
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- Type : Archive (2) pourcentage : 1%
Nombre des sections activées : 0 / 2
Nom du fichier : Rapport_PFE_ArijSALEH.pdf
Déposé par : Safa.Zhioua cherif (safa.zhiouacherif@esprit.tn) - 7/12/2023, 2:19:28 PM
- Type : Archive (4) pourcentage : 1%
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Link : <https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/Bachelor ...>
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Nombre des sections activées : 0 / 3
Nom du fichier : Rapport_PFE_Ahmed_Ben_Hmida.pdf

Déposé par : Ben.Romdhane Mehdy (mehdy.benromdhane@esprit.tn) - 7/20/2023, 12:40:09 AM

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pourcentage : 1%

Nombre des sections activées : 0/2

Nom du fichier : Rapport_PFE_Saidi_Narimen.pdf

Déposé par : abir.amorbenali@esprit.tn (abir.amorbenali@esprit.tn) - 7/11/2023, 12:05:18 PM

Type : Archive (1)

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Nombre des sections activées : 0/1

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Link : https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/Ismail_Bas ...

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Nombre des sections activées : 0/1

Nom du fichier : Firas_Argoubi_ESPRIT_PFE_Correct_Version (2).pdf

Déposé par : Wasma.Hanini (wasma.hanini@esprit.tn) - 7/6/2023, 4:24:42 PM

Type : Archive (4)

pourcentage : 1%

Nombre des sections activées : 0/4

Nom du fichier : PFE___Mohamed_Nader_Hachana.pdf

Déposé par : raoudha.khcherif@ensi.uma.tn (raoudha.khcherif@ensi.uma.tn) - 6/15/2023, 3:41:51 PM

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Nombre des sections activées : 0/2

Link : https://databasearchives.s3.eu-west-3.amazonaws.com/tokenised/P120_EAN ...

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Nombre des sections activées : 0/2

Nom du fichier : Rapport_PFE_mohamed_nalouti.docx

Déposé par : Nesrine.Bensalah (nesrine.bensalah@esprit.tn) - 9/11/2023, 9:01:41 AM

Type : Archive (2)	pourcentage : 1%
Nombre des sections activées : 0/2	
Nom du fichier : PFE_Hedi_v4.pdf	
Déposé par : Mohamed.Haouel (mohamed.haouel@esprit.tn) - 6/20/2022, 2:15:51 PM	
Type : Archive (3)	pourcentage : 1%
Nombre des sections activées : 0/3	
Nom du fichier : End_of_studies_report_Malek_Mneri.pdf	
Déposé par : Rim.Benelouefi (rim.benelouefi@esprit.tn) - 9/15/2022, 1:16:55 PM	
Type : Web (2)	pourcentage : 1%
Nombre des sections activées : 0/2	
Link : http://www.bogotobogo.com/Hadoop/BigData_hadoop_Install_on_ubuntu_sing...	
Type : Archive (1)	pourcentage : 1%
Nombre des sections activées : 0/1	
Nom du fichier : Rapport_final.pdf	
Déposé par : Kalthoum.Rezgui (kalthoum.rezgui@isamm.uma.tn) - 6/19/2022, 7:24:30 PM	
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Link : https://marocdatabase.s3.eu-west-3.amazonaws.com/tokenised3/The_right_ ...	
Type : Archive (2)	pourcentage : 1%
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Nom du fichier : Rapport_final_rayen.pdf	
Déposé par : yasser.gritli@ensi.uma.tn (yasser.gritli@ensi.uma.tn) - 6/11/2022, 6:29:56 PM	
Type : Archive (2)	pourcentage : 1%
Nombre des sections activées : 0/2	
Nom du fichier : Selim_ReportV2.pdf	
Déposé par : Karray.Gargouri (karray.gargouri@esprit.tn) - 9/24/2023, 8:05:48 PM	
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: JSON is a lightweight data interchange form

Json), lightweight data-interchange format

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Continuous delivery is a software development practice where code changes are automatically built, tested, and prepared for a release to production. It expands upon continuous integration by deploying all code changes to a testing environment and/or a production environment after the build stage. When continuous delivery is implemented properly, developers will always have a deployment-ready build artifact that has passed through a standardized test process

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scrum? In short, scrum is a framework for effective collaborations among teams working on complex products. Scrum is a type of agile technology that consists of meetings, roles, and tools to help teams working on complex projects collaborate and better structure and manage their workload. Although it is most often used by software development teams, scrum can be beneficial to any team working toward a common goal. [R1] What is agile

agile? Agile is a process that allows a team to manage a project more efficiently by breaking it down into several stages, each of which allows for consistent collaboration with stakeholders to promote steady improvements at every stage

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Agile scrum methodology is a project management system that relies on incremental development. Each iteration consists of two- to four-week sprints, where the goal of each sprint is to build the most important features first and come out with a potentially deliverable product. More features are built into the product in subsequent sprints and are adjusted based on stakeholder and customer feedback between sprints

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Agile SCRUM methodology, which is a project management system that relies on incremental development. Each iteration consists of two- to four-week sprints, where each sprint's goal is to build the most important features first and come out with a potentially deliverable product. More features are built into the product in subsequent sprints and are adjusted based on stakeholder and customer feedback between sprints

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Amazon Relational Database Service (Amazon RDS): Figure 16: AWS RDS Logo It is a web service that makes it easier to set up, operate, and scale a relational database in the cloud. It provides cost-efficient, resizable capacity for an industry-standard relational database and manages common database administration tasks.

General introduction In recent

: Amazon Relational Database Service (Amazon RDS) is a web service that makes it easier to set up, operate, and scale a relational database in the cloud. It provides cost-efficient, resizable capacity for an industry-standard relational database and manages common database administration tasks.

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Maven is a build automation tool used primarily for Java projects. Maven can also be used to build and manage projects written in C#, Ruby, Scala, and other languages. The Maven project is hosted by The Apache Software Foundation, where it was formerly part of the Jakarta Project

Logo 19 Figure 25:
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Maven is a build automation tool used primarily for Java projects. Maven can also be used to build and manage projects written in C#, Ruby, Scala, and other languages. The Maven project is hosted by The Apache Software Foundation, where it was formerly part of the Jakarta Project

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management features, you can optimize costs, organize data, and configure fine-tuned access controls to meet specific business, organizational, and compliance requirements

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Figure 17: Amazon S3 Logo Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. Customers of all sizes and industri

Figure 23: Amazon S3 Logo Definition and use: Amazon Simple Storage Service (Amazon S3) is an object storage service offering industry-leading scalability, data availability, security, and performance. Customers of all sizes and industries

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store and protect any amount of data for virtually any use case, such as data lakes

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Amazon Simple Storage Service (Amazon S3) [15] is an object storage service that offers industry-leading scalability, data availability, security, and performance

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Node.js is a cross-platform, open-source server environment that can run on Windows, Linux, Unix, macOS, and more. Node.js is a back-end JavaScript runtime environment, runs on the V8 JavaScript engine, and executes JavaScript code outside a web brows

Node.js is a cross-platform, open-source server environment that can run on Windows, Linux, Unix, macOS, and more. Node.js is a back-end JavaScript runtime environment, runs on the V8 JavaScript Engine, and executes JavaScript code outside a web browser

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, information collected in the presentation layer is processed - sometimes against other information in the data layer - using business logic, a specific set of business rules. The application layer can also add, delete or modify data in the da

information collected in the presentation level is processed using a business logic, a specific set of business rules. The application level can also add, delete or modify data in the data

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health, happiness, and a long life

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health, happiness and long life

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members of the jury for agreeing to evaluate this work. I hope that they find in it the qualities of clarity and synthesis they are expecting.

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members of the jury for agreeing to give me their attention and evaluate my work. ► 4 Table of Contents List of figures

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Dear Parents, no dedication could express my respect, eternal love, and consideration for the sacrifices you have made for my education and well-being. I thank you for all the support and the love you have shown me since

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Dear Parents No dedication can express my respect, eternal love and consideration for the sacrifices you have made for my education and well-being. I thank you for all the support and love you have given me since

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Amazon S3: Figure 17: Amazon S3 Logo Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance

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Amazon S3: Figure 30; amazon S3 logo Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance

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problem statement, our proposed solution and its goals as well as laying out the working methodology. Throughout the second chapter, I specified the functional and non-functional requirements

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Efficiency in Resource Utilization

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s functional and non-functional needs follows. Finally, in order to provide a simplified graphical representation of the behavior of our system, we will build the global use case diagr

solution 1.7-Work Methodology

functional and non-functional needs that will allow us to finish a Product Backlog. Finally, we will create a release schedule and a global use case diagram

solution 6 7 Work methodology

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e reusable UI components and manage the dynamic rendering of those components based on changes in application state. • Advantages: Component-Based Architecture: React

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Amazon Relational Database Service (Amazon RDS): Figure 16: AWS RDS Logo It is a web service that makes it easier to set up, operate, and scale a relational database in the cloud. It provides cost-efficient, resizable capaci

References: R1:<https://www.businessnewsdai>

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Agile scrum methodology is a project

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↑References [1] <https://www.horizonl>

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specified the functional and non-functional requirements alongside identifying the main actors and refining the product global use case

specifying the functional and non-functional requirements. Then we begin the phase of identifying the actors and the functionalities which are detailed by the diagrams of the global use cases

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- use case diagrams help illustrate the interactions and functionalities within a system as the next figure shows:  11 Figure 3: Global use Case Diagr

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Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. Customers of all sizes and industries can use Amazon S3 to store and protect any amount of data.

Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. Amazon S3 offers simple web services interface that enable user to store and retrieve any amount of data.

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well-designed application tier can function as a sort of internal firewall, preventing SQL injections and other malicious exploits

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Improved reliability: An outage in one tier is less likely to impact the availability or performance

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1-Visual Studio Code: Figure 22: VS Code Logo Visual Studio Code (VS Code) is a lightweight yet powerful source code edit

Visual Studio Code is a lightweight yet powerful source code editor

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Docker is an open-source platform that enables developers to automate the deployment and management of applications inside

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project context 1.2.1 Description

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HTTP methods (GET, POST, PUT, DELETE)

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distributed version-control system for tracking changes in source code during sofware

hope that your blessings always accompany

hope your blessings will always accompany

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2-IntelliJ IDEA: Figure 23:IntelliJ IDEA Logo IntelliJ IDEA is a renowned integrated development environment (IDE)

First and foremost, I would like to express my heartfelt
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IntelliJ IDEA Figure 2.9: IntelliJ IDEA logo IntelliJ IDEA is an integrated development environment (IDE)

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multi-tier architecture, consisting of the Presentation Layer, Logic Layer, and Data Layer

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and authentication and authorization mechanisms to ensure that only authorized users have access

2-Software Development Life Cycle: The Software Development Life Cycle (SDLC)

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Software Development Life Cycle

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Academic supervisor: Mr. Lassaad Saidani Corporate Internship Supervisor: Mr. Mabrouk

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Figure 3: Global use Case Diagram 11 Figure 4: React Logo

Academic supervisor: Mr. Skander SAADAOUI Corporate Internship Supervisor: Mr. Nizar

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Figure 22: Global use case diagram Figure 23: SAP UI5 logo

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hope that your blessings always accompany me. May this modest work be the fulfillment

grant you health, happiness, and a long life

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express my respect, eternal love, and consideration for the sacrifices you have made for my education and well-being. I thank you for all the support and the love

Mr. Lassaad Saidani, my supervisors

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e combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management process

architecture 20 4.1.1-
Logical architecture

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grant you health, happiness and long life

Class diagram ↗ 35 We will provide

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Mr. Lassaad Saidani, my supervisor

architecture 22 Figure 12:
Physical architecture 22
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architecture

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great pleasure that I reserve this page as a symbol of gratitude and deep appreciation

great pleasure that I reserve this page as a sign of gratitude and deep appreciation

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n open-source JavaScript library used for building user interfaces for web applicatio

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- use case diagrams help illustrate the interactions and functionalities within a system as the next figure shows: ↗ 11 Figure 3: Global use Case Diagr

open-source JavaScript Framework that was developed by Facebook. It is used for constructing interactive user interfaces and web applications

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user type in his email and password

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s use HTTP methods (such as GET, POST, PUT, DELETE) to perform operations on resources

use HTTP methods like GET, POST, PUT, and DELETE to perform operations on resources

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problem, a study of the existing, criticism of the existing, our proposed solution

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JSON Web Tokens (JWT) for user

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makes developing web applications

grant you health, happiness, and a long life

grant your health, happiness and long life

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version control and collaborative

Dear Parents, no dedication could express my respect, eternal love, and consideration for the sacrifices you have made

dear parents No dedication can express my respect, my eternal love and my consideration for the sacrifices you have made

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a popular open-source UI framework for building user interfaces in React applications

a popular open-source UI framework that provides a set of pre-designed, semantic and accessible components for building user interfaces in React applications

d software development lifecycle

software development lifecycle

a continuous integration/continuous delivery (CI/CD)

continuous integration and continuous delivery (CI/CD)

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RDS Logo It is a web service that makes it easier to set up, operate,		makes it easy to set up, operate, and scale a relational database	
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JSON Web Tokens (JWT) for secure authentication

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combination of cultural philosophies, practices, and tools that makes the communication between the development team and the operations team much more easier and smoother which increases organization's ability to deliver applications and services at high velocity : evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes. This speed enables organizations to better serve their customers and compete more effectively in the market

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Continuous integration is a software development practice where developers regularly merge their code changes into a shared repository, after which automated builds and tests

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Docker is an open-source platform that enables developers to automate the deployment and management of applications inside project context 1.2.1 Description development, testing, and production used by software development teams access tokens, refresh tokens package applications and their dependencies intuitive, with user-friendly interface

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