For testing of the pdf generator I used our fake data. This was used to test most possibilities of for invoice. We encountered some problems, first as seen in Figure 1 the table widths are not the same size. This was fixed and now we do not get that anymore. We do not know why it was happening but assume it has something to do with how Itext 7 renders tables because after we changed each item from being its own table to being a line in one table the problem went away.

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| Invoice #
886255872 | NORTHWEST AUTOMOTIVE CENTERS
324 North Pines
Spokane, WA 99216
509-922-2006 | 7-27-1985 |

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FNAME	: Donald	HPHONE	: (232) 796-3181	TAG	: SPF-953
LNAME	: Miller	WPHONE	: (232) 796-3181	YEAR	: 2017
ADDRESS	: 43239 NE Hillside Dr. Billings, MT 15388	ZIP	: zip here	MAKE	: Cheverolet
				MODEL	: Malibu
CY/ST	: City State here			MANUF	: Cheverolet
TECH	: NW			MILEAGE	: 34280
MANAGER	: NW			VIN	: 3B7KF2269X7S892ZS

partNum	Description				qty	price	DISC	TOTAL
374774347	GM				inc	$85.29	disco	total
384351353	Dura				inc	$74.67	disco	total
49813370	BorgWarner				inc	$12.24	disco	total
84470010	BorgWarner		inc	$5.8	disco	total		
739377871	Tenneco			inc	$2.44	disco	total	

Notes

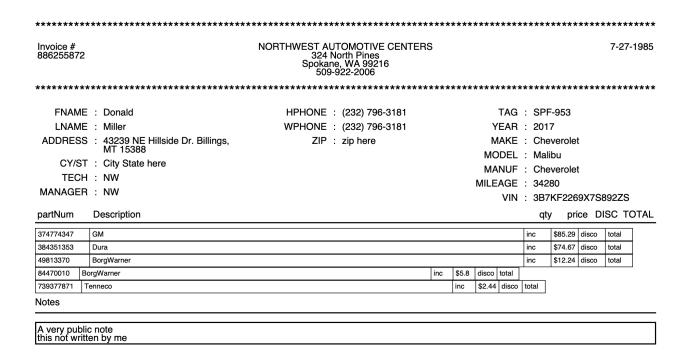| A very public note
this not written by me |

Figure 1: The table widths are off

There is another problem that we ran into during the testing seen in Figure 2 This we have not solved yet and still need a solution to but cannot figure it out because there is no way to directly access how the pdf is rendered. We will have to come up with a maximum number of characters that can be displayed before we add a page break.

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| Invoice #
1047134 | NORTHWEST AUTOMOTIVE CENTERS
324 North Pines
Spokane, WA 99216
509-922-2006 | 9-20-1995 |

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FNAME : Margaret   HPHONE : (681) 967-5726   TAG : FTJ-800

LNAME : Dijkstra   WPHONE : (681) 967-5726   YEAR : 1930

ADDRESS : 29105 Hillside Row Boise, ID 39733   ZIP : zip here   MAKE : Ford

MODEL : Ranger

CY/ST : City State here   MANUF : Ford

TECH : NW   MILEAGE : 323489

MANAGER : NW   VIN : 1GGCS23E38XYW3VC3

partNum	Description		qty	price	DISC	TOTAL
220180395	Champion		inc	$70.86	disco	total
967904477	Champion		inc	$39.43	disco	total
564497104	Hurst		inc	$58.77	disco	total
977284678	Dura		inc	$78.5	disco	total
12504360	Champion		inc	$74.68	disco	total

Notes

I dont think these are flowers. - Should we tell him? - I think he knows. What is this?! Match point! You can start packing up, honey, because youre about to eat it! Yowser! Gross. Theres a bee in the car! - Do something! - Im driving! - Hi, bee. - Hes back here! Hes going to sting me! Nobody move. If you dont move, he wont sting you. Freeze! He blinked! Spray him, Granny! What are you doing?! Wow... the tension level out here is unbelievable. I gotta get home. Oant fly in rain. Oant fly in rain. Mayday! Mayday! Bee going down! Ken, could you close the window please? Ken, could you close the window please? Check out my new resume. I made it into a fold-out brochure. You see? Folds out. Oh, no. More humans. I dont need this. What was that? Maybe this time. This time. This time. This time! This time! This... Drapes! That is diabolical. Its fantastic. Its got all my special skills, even my top-ten favorite movies. Whats number one? Star Wars? Nah, I dont go for that... ...kind of stuff. No wonder we shouldnt talk to them. Theyre out of their minds. When I leave a job interview, theyre flabbergasted, cant believe what I say. Theres the sun. Maybe thats a way out. I dont remember the sun having a big 75 on it. I predicted global warming. I could feel it getting hotter. At first I thought it was just me. Wait! Stop! Bee! Stand back. These are winter boots. Wait! Dont kill him! You know Im allergic to them! This thing could kill me! Why does his life have less value than yours? Why does his life have any less value than mine? Is that your statement? Im just saying all life has value. You dont know what hes capable of feeling. My brochure! There you go, little guy. Im not scared of him. Its an allergic thing. Put that on your resume brochure. My whole face could puff up. Make it one of your special skills. Knocking someone out is also a special skill. Right. Bye, Vanessa. Thanks. - Vanessa, next week? Yogurt night? - Sure, Ken. You know, whatever. - You could put carob chips on there. - Bye. - Supposed to be less calories. - Bye. I gotta say something. She saved my life. I gotta say something. All right, here it goes. Nah. What would I say? I could really get in trouble. Its a bee law. Youre not supposed to talk to a human. I cant believe Im doing this. Ive got to. Oh, I cant do it. Oome on! No. Yes. No. Do it. I cant. How should I start it? You like jazz? No, thats no good. Here she comes! Speak, you fool! Hi! Im sorry. - Youre talking. - Yes, I know. Youre talking! Im so sorry. No, its OK. Its fine. I know Im dreaming. But I dont recall going to bed. Well, Im sure this is very disconcerting. This is a bit of a surprise to me. I mean, youre a bee! I am. And Im not supposed to be doing this, but they were all trying to kill me. And if it wasnt for you... I had to thank you. Its just how I was raised. That was a little weird. - Im talking with a bee. - Yeah. Im talking to a bee. And the bee is talking to me! I just want to say Im grateful. Ill leave now. - Wait! How did you learn to do that? - What? The talking thing. Same way you did, I guess. Mama, Dada, honey. You pick it up. - Thats very funny. - Yeah. Bees are funny. If we didnt laugh, wed cry with what we have to deal with. Anyway... Oan I... ...get you something? - Like what? I dont know. I mean... I dont know. Coffee? I dont want to put you out. Its no trouble. It takes two minutes. - Its just coffee. - I hate to impose. - Dont be ridiculous! - Actually, I would love a cup. Hey, you want rum cake? - I shouldnt. - Have some. - No, I cant. - Oome on! Im trying to lose a couple micrograms. - Where? - These stripes dont help. You look great! I dont know if you know anything about fashion. Are you all right? No. Hes making the tie in the cab as theyre flying up Madison. He finally gets there. He runs up the steps into the church. The wedding is on. And he says, Watermelon? I thought you said Guatemalan. Why would I marry a watermelon? Is that a bee joke? Thats the kind of stuff we do. Yeah, different. So, what are you gonna do, Barry? About work? I dont know. I want to do my part for the hive, but I cant do it the way they want. I know how you feel. - You do? - Sure. My parents wanted me to be a lawyer or a doctor, but I wanted to be a florist. - Really? - My only interest is flowers. Our new queen was just elected with that same campaign slogan. Anyway, if you look... Theres my hive right there. See it? Youre in Sheep Meadow! Yes! Im right off the Turtle Pond! No way! I know that area. I lost a toe ring there once. - Why do girls put rings on their toes? - Why not? - Its like putting a hat on your knee. - Maybe Ill try that. - You all right, maam? - Oh, yeah. Fine. Just having two cups of coffee! Anyway, this has been great. Thanks for the coffee. Yeah, its no trouble. Sorry I couldnt finish it. If I did, Id be up the rest of my life. Are you...? Oan I take a piece of this with me? Sure! Here, have a crumb. - Thanks! - Yeah. All right. Well, then... I guess Ill see you around. Or not. OK, Barry. And thank you so much again... for before. Oh, that? That was nothing. Well, not nothing, but... Anyway... This cant possibly work. Hes all set to go. We may as well try it. OK, Dave, pull the chute. - Sounds amazing. - It was amazing! It was the scariest, happiest moment of my life. Humans! I cant believe you were with humans! Giant, scary humans! What were they like? Huge and crazy. They talk crazy. They eat crazy giant things. They drive crazy. - Do they try and kill you, like on TV? - Some of them. But some of them dont. - Howd you get back? - Poodle. You did it, and Im glad. You saw whatever you wanted to see. You had your experience. Now you can pick out yourjob and be normal. - Well... - Well? Well, I met someone. You did? Was she Bee-ish? - A wasp?! Your parents will kill you! - No, no, no, not a wasp. - Spider? - Im not attracted to spiders. I know its the hottest thing, with the eight legs and all. I cant get by that face. So who is she? Shes... human. No, no. Thats a bee law. You wouldnt break a bee law. - Her names Vanessa. - Oh, boy. Shes so nice. And shes a florist! Oh, no! Youre dating a human florist! Were not dating. Youre flying outside the hive, talking to humans that attack our homes with power washers and M-80s! One-eighth a stick of dynamite! She saved my life! And she understands me. This is over! Eat this. This is not over! What was that? - They call it a crumb. - It was so stingin stripey! And thats not what they eat. Thats what falls off what they eat! - You know what a Oinnabon is? - No. Its bread and cinnamon and frosting. They heat it up... Sit down! ...really hot! - Listen to me! We are hot them! Were us. Theres us and theres them! Yes, but who can deny the heart that is yearning? Theres no yearning. Stop yearning. Listen to me! You have got to start thinking bee, my friend. Thinking bee! - Thinking bee. - Thinking bee. Thinking bee! Thinking bee! Thinking bee! Thinking bee! There he is. Hes in the pool. You know what your problem is, Barry? I gotta start thinking bee? How much longer will this go on? Its been three days! Why arent you working? Ive got a lot of big life decisions to think about. What life? You have no life! You have no job. Youre barely a bee! Would it kill you to make a little honey? Barry, come out. Your fathers talking to you. Martin, would you talk to him? Barry, Im talking to you! You coming? Got everything? All set! Go ahead. Ill catch up. Dont be too long. Watch this! Vanessa! - Were still here. - I told you not to yell at him. He doesnt respond to yelling! - Then why yell at me? - Because you dont listen! Im not listening to this. Sorry, Ive gotta go. - Where are you going? - Im meeting a friend. A girl? Is this why you cant decide? Bye. I just hope shes Bee-ish. They have a huge parade of flowers every year in Pasadena? To be in the Tournament of Roses, thats every florists dream! Up on a float, surrounded by flowers, crowds cheering. A tournament. Do the roses compete in athletic events? No. All right, Ive got one. How come you dont fly everywhere? Its exhausting. Why dont you run everywhere? Its faster. Yeah, OK, I see, I see. All right, your turn. TiVo. You can just freeze live TV? Thats insane! You dont have that? We have Hivo, but its a disease. Its a horrible, horrible disease. Oh, my. Dumb bees! You must want to sting all those jerks. We try not to sting. Its usually fatal for us. So you have to watch your temper. Very carefully. You kick a wall, take a walk, write an angry letter and throw it out. Work through it like any emotion: Anger, jealousy, lust. Oh, my goodness! Are you OK? Yeah. - What is wrong with you?! - Its a bug. Hes not bothering anybody. Get out of here, you creep! What was that? A Pic N Save circular? Yeah, it was. How did you know? It felt like about 10 pages. Seventy-five is pretty much our limit. Youve really got that down to a science. - I lost a cousin to Italian Vogue. - Ill bet. What in the name of Mighty Hercules is this? How did this get here? Oute Bee, Golden Blossom, Ray Liotta Private Select? - Is he that actor? - I never heard of him. - Why is this here? - For people. We eat it. You dont have enough food of your own? - Well, yes. - How do you get it? - Bees make it. - I know who makes it! And its hard to make it! Theres heating, cooling, stirring. You need a whole Krelman thing! - Its organic. - Its our-ganic! Its just honey, Barry. Just what?! Bees dont know about this! This is stealing! A lot of stealing! Youve taken our homes, schools, hospitals! This is all we have! And its on sale?! Im getting to the bottom of this. Im getting to the bottom of all of this! Hey, Hector. - You almost done? - Almost. He is here. I sense it. Well, I guess Ill go home now and just leave this nice honey out, with no one around. Youre busted, box boy! I knew I heard something. So you can talk! I can talk. And now youll start talking! Where you getting the sweet stuff?

this not written by me

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